

In **Between**

NEXT LEVEL PUBLISHING

NIHAL KASHINATH SHETYE

2053

**Report of Internship at
InBetween Software Pvt Ltd**

Submitted by

Nihal Kashinath Shetye

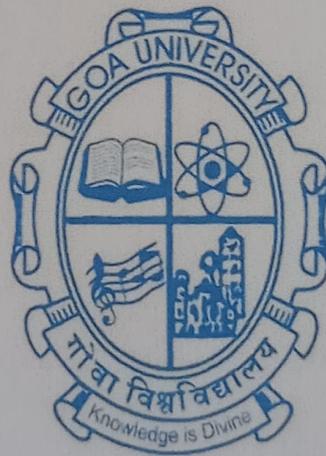
MCA Semester VI

2053

Under the guidance of

Meliza Dias

Quality assurance lead, InBetween software Pvt. Ltd.



GOA BUSINESS SCHOOL

Goa University

Taleigao Plateau Goa– 403206

June 2023

June 13, 2023

To Whomsoever It May Concern

This is to certify that Mr. Nihal Shetye is undergoing industrial training as an intern at InBetween software development private limited since January 02, 2023 to expected date of completion July 2, 2023 under the guidance of Ms. Meliza Dias, Lead- QA. The details of his internship with InBetween software development private limited is given below:

Project title: **"InBetween – Dynamic Publishing"**

He handled software testing tasks as

- 1) Different types of testing
- 2) Understanding requirements for testing
- 3) Test case preparation
- 4) Test case execution
- 5) Bug testing
- 6) Bug reporting

For InBetween Software Development Pvt Ltd



Digitally signed by

Niveditha Praveen

Date: 2023.06.13

19:09:41 +05'30'

Niveditha Praveen
CTO & Director

GOA UNIVERSITY



GOA BUSINESS SCHOOL

CERTIFICATE OF EVALUATION

This is to certify that Mr. Nihal K Shetye has been evaluated for the project work titled "InBetween - Dynamic Publishing" undertaken at InBetween Software Development Pvt Ltd, Goa in partial fulfilment for the award of the degree in Master of Computer Application.

Examiner 1

Examiner 2

Place: Goa University

Date:

Dean, Goa Business School

Acknowledgement

The internship opportunity I had at InBetween Software Development PvtLtd was great, the company helped me in learning and self-development and also to be a responsible person. Therefore, I consider myself to be lucky and would like to show my deepest gratitude and appreciation to all those who were with me in this journey and helped me develop my personal and professional skills.

First and foremost, I would like to thank the Goa Business School, Goa University, for giving me the opportunity to carry out internship and acquire real world industrial experience. And a special thanks to Prof. Hanumant Redkar, prof. Ramdas Karmali and Asst. Prof. Payaswini P and teaching and non-teaching staff of the Goa Business School.

I would like to thank Mrs. Nivedita Praveen (CTO) for allowing me to do the internship at InBetween software Pvt Ltd and considering me capable to work on such projects.

I would like to thank Mrs. Rebecca (HR, InBetween) for always helping me out whenever I needed help.

I would like to express my gratitude to Mrs. Meliza Dias (QA Lead), Ms. Deeksha Mulgaonkar (My team lead & Web Architect), Lawrence Noronha (scrum Master), for all the support and encouragement provided to me during the internship.

I am also grateful to Mrs. Siddhi Palang (Ps consultant) for the training given to me and also special thanks to the members of my QA team especially Ms. Riddhi Naik, Ms. Trupti Shetmandrekar and Ms. Rochelle Vaz, who despite being busy with their duties, took time out to hear, guide and clear my doubts. Each of them helped me to go through a challenging environment which helped me to learn and grow.

I would like to express my special gratitude and thanks to InBetween software employees for giving me such attention and time.



N E X T L E V E L P U B L I S H I N G

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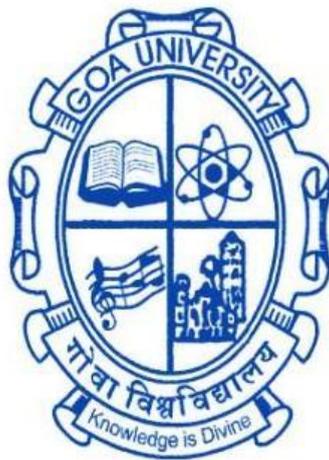
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Under the guidance of

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June 2023

Certificate needs to be uploaded on this page

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-- Nihal K Shetye

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DISCLAIMER

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Introduction

This report is a short description of my full-time on-site internship at **In-between Software Development**, Panjim. I joined as an Intern in January 2023. This report contains necessary information about the organization, the tasks I worked on and completed in this internship period.

This report highlights my learning, experience and my contributions to the organization as an Intern. This will describe the knowledge that I gained by successfully completing the tasks that were assigned to me. I will be talking about my contributions tasks that were assigned to me. Finally, my experience with the company during the internship is described.

Company Profile

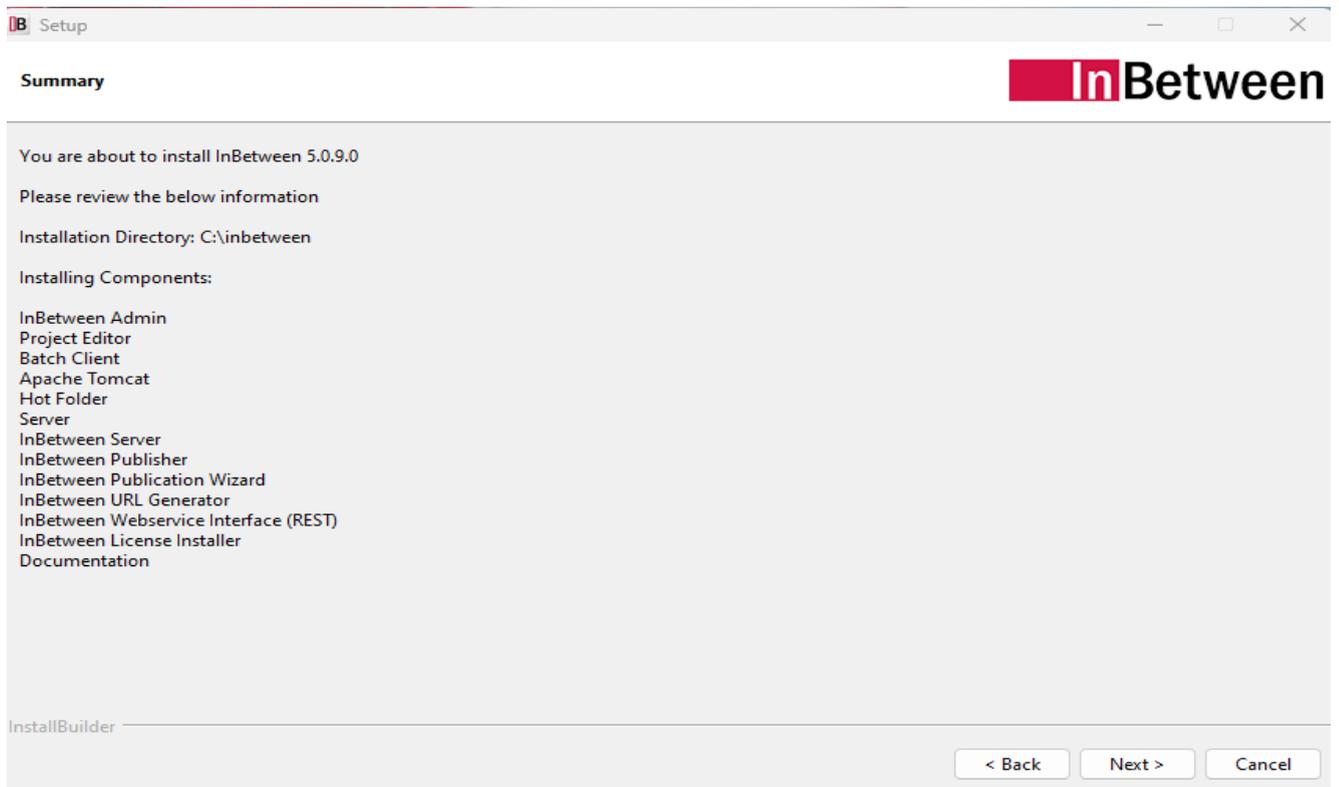
Name of Company	InBetween Software Development Pvt. Ltd.
Founder of Company	Mr. Alexander Dressler
Address of Company	Office no.311, 3rd Floor Shiv Towers Plot. no 14 Patto Plaza Panaji 403001 Goa, India
Phone Number	+91 82 37 00 37 33
Email id	info@inbetween.de
Website	https://inbetween.com/en/

InBetween Deutschland GmbH is a global leader in Database Publishing solutions. 30 years InBetween has been synonymous with high performance dynamic and database publishing. The standard software InBetween can create catalogues, brochures, datasheets, price lists, and many more types of media in a rule-based, automated, and format-independent manner and in a variety of outputs formats. With InBetween, your publications for marketing, sales as well as your technical documentation can be created more easily, faster, and more efficient throughout the entire company. You are not only saving a lot of time and money but also nerves.

Our development team at InBetween Software Development Pvt Ltd in Goa makes sure your requirements and our own ideas regarding new functions will be put into action. Through our software maintenance customers regularly receive enhanced and improved software versions. Because the further development of a software is just as important as what you buy today.

More than 200 companies worldwide across over 100 industries already benefit by using the database-supported cross-media publishing provided by the market leader, InBetween. Our knowledge of the special requirements in the various branches and continuous further development of InBetween made this success possible. Today, InBetween is a mature technological standard solution for all aspects of modern database and Dynamic-Publishing.

THE COMPONENTS



INBETWEEN SERVER

The InBetween Server is pre-configured and allow starting the InBetweenserver directly after installing it. In the default configuration, InBetween server is started on port 8000. The InBetween server can be started by running 'Server-Launcher.exe'.

The core of the InBetween software is the **InBetween Server**. This powerful solution provides a sound base for automating your publications.

The **InBetween Server** performs a simple yet essential task. It creates finished publications from your product information and as per the layout specifications. The trick is to put together the right version of your publication from the material at your

disposal. You can consider different languages, currencies, units of measurement, or even assortments and target groups. The **InBetween Server** keeps a close eye on your data. It sorts your product information, processes it reliably and outputs your advertising material directly in the desired layout and format.

On its own, the **InBetween Server** can be fed with data via the web service, in batch mode or via hot folder. Your publications are automatically created and output in all available formats. The **InBetween Server** produces entire publications from the InBetween user interface and can also produce page sections or individual pages if required. All of this is done with a degree of automation that you can set as desired.

Project Editor

Project Editor is primarily used by InBetween project developers who use it to create database publishing projects. The Project Editor is always used when it comes to creating templates, master pages or master publications. Also formatting options, styles, modifications, etc. are set up in the Project Editor. In this client all necessary functions are made available for the user to create InBetween project. The user interface of the project editor is completely graphical. The user is not required to execute commands via a command line to run nor any writing of code is required. All actions can be performed with the mouse and gives visual feedback

IB Admin

InBetween Server Administrator is a tool to configure InBetween Server. Users and roles, paths (e.g. for images), projects and renderers are managed by IB Admin.

Only users with administrator rights are allowed to use the application. Other users will not be able to login to IBAdmin

DTP Client / QuarkXpress/ Illustrator Applications

The InDesign DTP-Client is a flexible solution for the semi-automatic publication of your marketing material. While offering the power of automation, this solution also enables you to manually add creative touches to the publication. With the DTP-Client as an InDesign plugin you gain the best of both- automation from the InBetween Server and creative freedom offered by InDesign!

How the DTP-Client works: The InBetween DTP-Client allows you to choose the degree of automation in your publication while also keeping your creative freedom intact. You could automate the creation of entire page sections, or choose to build your publication piece by piece.

Simply drag and drop the products from your product list onto the InDesign page. They will automatically appear on the page within the specified layout, ready for publishing. Even with this aspect of automation present, you are free to add editorial content and plan the page yourself according to your creative vision. Since the respective components of your publication are linked to your product data via templates, you can update them quickly and easily at any time.

Lastly, the InBetween DTP-Client can also be connected to your data via XML, SQL, XML, or simply via CSV/Excel, and you can quickly get started with your publication.

A DTP-Client like InDesign, QuarkXPress or Illustrator is used to create highly creative and high-quality documents like advertisements, creative catalogues, posters, presentations etc. InBetween DTP Client functionality can be integrated and used in InDesign and QuarkXpress Applications. The DTP Client is used when the graphics department of a company. It provides a drag and drop workflow, where you can put stack elements and different templates into an existing document.

The DTP Client has many general functions that are in common with the Project Editor. InBetween Plugins for Adobe InDesign and QuarkXPress are required for the generation / update / manual editing of INDD Quark documentation, also for using DTP Client Feature from these clients

IB PUBLISHER

IB Publisher is a Web client wherein user can perform publication generation, Dynamic publication generation and update a document In IB Publisher, user cannot do any changes in the publication, pages nor any project level changes IB Publisher can be customized to display additional options, change the look and feel, configure certain projects and output formats, etc. Create and distribute publications easily and dynamically online with the InBetween Publisher. With this solution, you can make your marketing material available online, giving your partners on-demand access to your current publications.

The InBetween Publisher allows you to build publications in different languages, currencies, and units of measurement, and even individual assortments with just a few clicks. Additionally, if you integrate the InBetween Publisher into a self-service portal, the user identification of the portal automatically selects the dynamic parameters. Your distributors, dealers, sales or service staff only need to select the publication. Within seconds, they will obtain the perfect result in the desired language, currency, unit of measurement or with the desired assortment.

IB PUBLICATION WIZARD

IB Publication Wizard is a HTML 5 Web client developed using AngularJS In this client user can perform Publication generation, modifications to the publication and pages, Uploading/Deleting of Static pages.

The InBetween Publication Wizard is an optimal solution for teams collaborating on building the publication. With InBetween Publication Wizard, you can organize the planning and execution of your publications in such a way that the tasks are distributed across all departments involved.

The InBetween Publication Wizard can be scaled up to suit the growing size and volume of publications as per the needs of your company. Employees from diverse departments such as purchasing, product management, or marketing can participate in building the publication via an easy-to-use online interface without having to work with a complex DTP program such as InDesign.

The concerned employees work comfortably on their respective publication components and then hand them over to the design department for final revision. Thus, the InBetween Publication Wizard allows you to avoid the hassle and retain the expertise in publishing!

Marketing Board

This page displays the Statistics of Product State. Statistics will be displayed only for the InBetween projects that have product states configured.

Publication Planner

Publishing marketing materials is a critical part of business operations. Being able to publish large volumes of advertising material quickly is key to gaining a competitive edge. However, as the sales or marketing departments plan the publication and design department executes it with inputs from marketing, the collaboration between departments can often be time consuming and communication unclear.

InBetween Publication Planner resolves such internal issues, enabling you to save time during planning and implementation, as well as during the monitoring of your publications. InBetween Publication Planner allows you to monitor the iterative progress of all your publications, through all key stages: from initial planning to final publishing and distribution.

Thanks to publications with InBetween Publication Planner, you can define all sections, as well as the number of pages for each individual section. This enables you to define completion dates per section and per publication, as well as the responsible person for the project.

InBetween Publication Planner is an intuitive online solution that can be accessed from anywhere. Once the marketing team procures the data and images of the product, InBetween Publication Planner automatically collects the relevant data and images from the PIM system and inserts these into the publication pages. Users can choose a language and generate the publication right there and then.

Job Automation

Job automation provides a better user interface for the user to easily create any number of jobs and schedule them on single click.

You can easily create, edit, duplicate, delete, and save the jobs by exporting the existing jobs on your system and import the same jobs later when required.

SOAP API

The InBetween Web Service Interface is provided by the web application called IB-WSBridge which is running on Apache Tomcat Server.

SOAP 1.0 is used as protocol to call the InBetween methods via the web. InBetween is delivered with a SOAP API. By using this interface, it's possible to remote control InBetween through web services, which allows a deeper integration of InBetween in existing systems.

Execution of jobs will start only after successful connection to IBServer
All types of generations (Dynamic Publication, Publication, Template)
can be scheduled through SOAP Client

URL Generator

The IB URL Generator client provides document generation via a simple URL interface or by hitting a pre-formed url in the browser. This client provides the simplest option to integrate InBetween into an existing infrastructure as compared to an integration of their InBetween clients

All Generations/Update performed through URL Generator are server side

A company with lots of changing products and/or prices needs flexible publishing. The URL Generator offers that flexibility without the need to understand publishing or how InBetween works. Once set up, a click is enough to generate a file with updated data, for example from a database.

IB-Batch Client

The InBetween Batch client is a Non-UI client. There is no UI interface to select InBetween project and other generation parameters for triggering generations or updating a document

Batch client is mostly used when a user has to generate multiple documents(100's or more) or to update multiple documents(*.INDDfiles) Generations can be scheduled as jobs in a 'scheduler.xml', that is located in InBetween installation's InBetweenServer folder

To update multiple documents(*.INDD files), update jobs can be scheduled in 'scheduler-update.xml', that is also located in InBetween installation's InBetweenServer folder

Hotfolder

The InBetween Hot Folder client is a Non-UI client.

The application automatically performs different actions like generation of specific documents, updating existing documents

Generations and Update of documents is triggered whenever anData XML file is dropped into a defined folder

Hot Folder client is mostly used when a user has to generate multiple documents(100's or more) or to update multiple documents(*.INDD files)

For Hot Folder client to connect to IB Server, 'Host', 'Port', 'Login' and 'Password' are required. These are required in the scheduler.xml and scheduler-update.xml

IB REST SERVICES CLIENT

The InBetween REST Services are REST (**Representational State Transfer**) architecture based webservices

IB REST Services can be consumed by any external Third Partyclients(UI/Non-UI) written in any programming language. These clients can make calls to IB REST Service

To test REST Service, we have a Windows Test Client Applicationdeveloped by InBetween

REST Client can be used to generate multiple documents(100's oreven more)

IB Print Assistant

Print Assistant is a project where client can easily generate products intoPDF along with the log languages, the same was the requirement of a customer.

Responsibilities as Quality Analyst

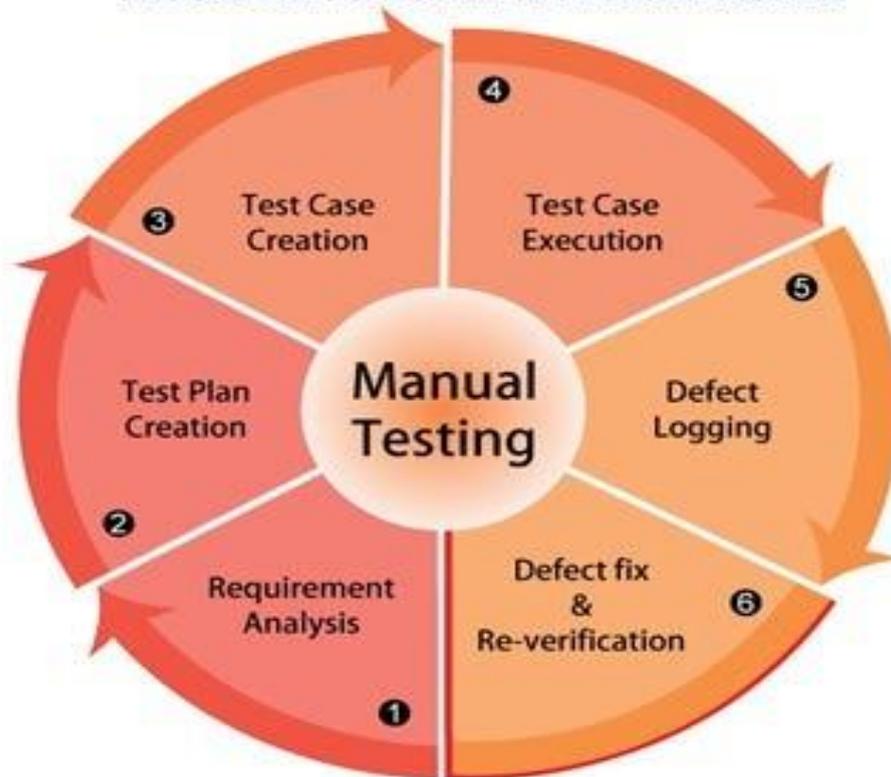
Quality assurance testing is a process that ensures an organisation delivers the best products or services possible. The goal is to provide the highest quality to the customers and to create a product or service that is compatible with requirements and expectations.

Contribution as a Quality Analyst

- Check logs
- Write test cases
- Execute the test cases
- Implementing the functional testing of the clients.
- Bug reporting and creating a bug tickets.
- Testing and resolving the tickets.
- Testing Customer projects.
- Test Bugs
- Check if existing features is functional
- Test new/ Improvement features
- Check error in console if any.
- Handling customer projects and testing it.
- System cleaning

Manual Testing

PROCEDURE FOLLOWED IN MANUAL TESTING



Manual Testing is a process of finding out the defects, bugs in a software program. A tester performs the end-user role and verifies if all the features are working properly or not. Tester manually executes the test cases.

Manual Testing is one of the most fundamental testing processes as it can find both visible and hidden defects of the software.

Manual testing is mandatory for every newly developed software before automated testing. This testing requires great efforts and time, but it gives the surety of bug-free software. Manual Testing requires knowledge of manual testing techniques

The developer fixed the defects and handed it to the tester for retesting.

Manual testing is essential because one of the software testing fundamentals is "100% automation is not possible."

Why we need manual testing?

Now a days software professionals prefer automated testing over Manual Testing, but there are still multiple reasons which justify the need for manual testing.

Few of them are:

- **Human Perspective:** The basic usability and look & feel of the application can only be gazed and evaluated by Humans. As the software is developed for humans only, so they only can-do better justice of validation from a user experience perspective.
- **Handles complex scenarios:** Manual testing handles complex test cases, while automated testing handles simpler, more repetitive tests. Test scenarios that are only being validated once in a while. Complex test scenarios that are not efficient and sometimes not feasible to automate
- **Cost of automation:** Sometimes, due to the timelines or size of the project, the extended efforts for the automation are not justifiable, and we always prefer a quick manual validation over the automation testing.
- **Un-automatable scenarios:** There can be multiple scenarios that are either not worth automating and doesn't give clear confidence of the user behavior when just testing using automation.

Considering all these points, **manual testing has still maintained its place in the validation phase of the fast-paced software development cycle.** Manual testing is slow and tedious. **But its strength is that it better handles complex scenarios.**

When to do manual testing?

- **Adhoc testing:** Adhoc testing, as the name suggests, is unplanned testing. It doesn't have any specific approach defined neither it has any documentation associated with it. Adhoc testing is entirely informal, and the only important factor is the knowledge and insight of the tester.
- **Usability testing:** We perform usability testing to assess how convenient, efficient, and user-friendly the product has turned out to be for the end-users. For this assessment, we require the highest manual intervention and cannot rely on tools to assess it for us. So to evaluate the product from the end-user point of view, we opt for manual testing.
- **Exploratory testing:** When the documentation of the test is poor, and we have a short time for execution, in such cases, this exploratory testing requires analytical skills and creativity of the tester and also the tester's product knowledge. When we have to perform exploratory testing, we go for manual verification as we cannot use tools with little knowledge and documentation.

Different Types of Testing Used

Acceptance Testing

Acceptance testing ensures that the end-user (customers) can achieve the goals set in the business requirements, which determines whether the software is acceptable for delivery or not. It is also known as user acceptance testing (UAT).

Interactive Testing

Interactive Testing is also known as manual testing, interactive testing enables testers to create and facilitate manual tests for those who do not use automation and collect results from external test

Integration Testing

Integration testing ensures that an entire, integrated system meets a set of requirements. It is performed in an integrated hardware and software environment to ensure that the entire system functions properly.

Regression Testing

Regression testing is performed to determine if code modifications break an application or consume resources.

Sanity Testing

Performed after bug fixes, sanity testing determines that the bugs are fixed and that no further issues are introduced to these changes.

Smoke Testing

This type of software testing validates the stability of a software application, it is performed on the initial software build to ensure that the critical functions of the program are working.

Functional Testing

It is a type of software testing that validates the software system against the functional requirements/specifications. The purpose of Functional tests is to test each function of the software application, by providing appropriate input, verifying the output against the Functional requirements.

System Testing

It is a type of software testing that is performed on a complete integrated system to evaluate the compliance of the system with the corresponding requirements

Cross Platform testing:

- Users all over the world have the choice to use whatever device, browser, OS to access the web. In other words, your application will have to render and work flawlessly from different devices and the OS they work on. To ensure this, products must be tested on as many platforms as possible – especially the ones in popular use. It is a good idea to start with the most popular ones or at least the ones your target audience is most likely to use.
- It entails cross platform browser testing as well as cross platform devices testing – mobile and desktop. This form of testing identifies issues as they may appear on specific devices, browser versions, OS configurations – in terms of usability, consistency, UI, and performance bugs.
- Without cross platform testing, perfectly usable apps may malfunction on different browsers or browser versions, or different operating systems

Multi Machine setup:

- Multi Machine setup is required when IBServer and IBClients are on different machines

Tools and technologies used

JIRA



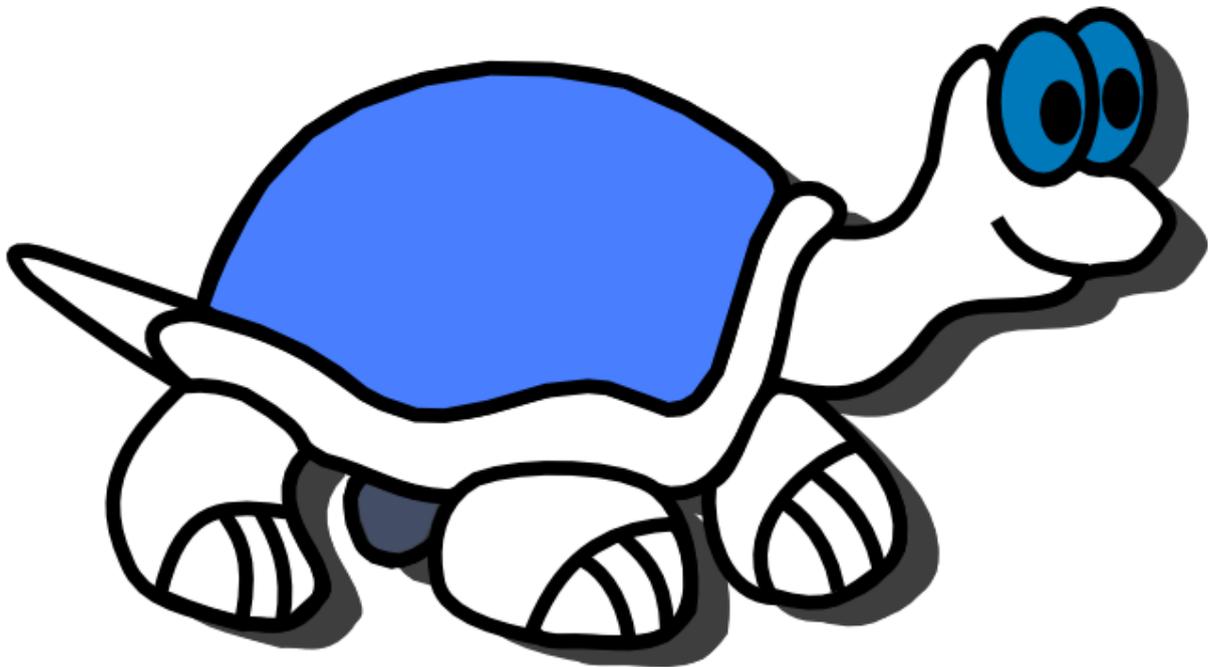
TO DO 6 OF 194 IN PROGRESS 1 OF 39 PENDING APPROVAL 0 OF 45 DONE BY DEV (DEVTE... 0 OF 88 DONE (AND TESTED

▼ Nihal Shetye 8 issues

<p>DEV-27571 Testing DEV-27434 Admin: UI is broken when Display</p> <p>None None None</p> <p> 1h 15m</p>	<p>DEV-28257 Testing DEV-28206 Hotfolder: Extra folder is getting</p> <p>None None None</p> <p> 6h</p>			<p>DEV-28255 Testing DEV-278: Admin : Output i not getting store</p> <p>None None None</p> <p> 7h 30m</p>
<p>DEV-27573 Testing DEV-27512 Portwest : Publication generation gets stuck</p> <p>None None None</p>				

Jira tool was used to monitor all the work, to create a ticket, to write the test cases, to put the log of work done everyday, to manage sprint etc everything was done in Jira.

Tortoise SVN



TortoiseSVN

Tortoise SVN is a popular SVN client that is used to communicate with SVN server. It is a revision control, version control and source control software for windows. It is based on a top apache product 'Subversion'. It provides a splendid and easy user interface for the SVN

Gradle



Gradle is a build automation tool for multi-language software development. It controls the development process in the tasks of compilation and packaging to testing, deployment, and publishing.

Software Testing Life Cycle

Software Testing Life Cycle (STLC) is a sequence of specific activities conducted during the testing process to ensure software quality goals are met. It consists of a series of activities carried out methodologically to help certify your software product. STLC stands for Software Testing Life Cycle.

There are following six major phases in every Software Testing Life Cycle Model (STLC Model):

1. Requirement Analysis
2. Test Planning
3. Test case development
4. Test Environment setup
5. Test Execution
6. Test Cycle closure

SCREENSHOTS

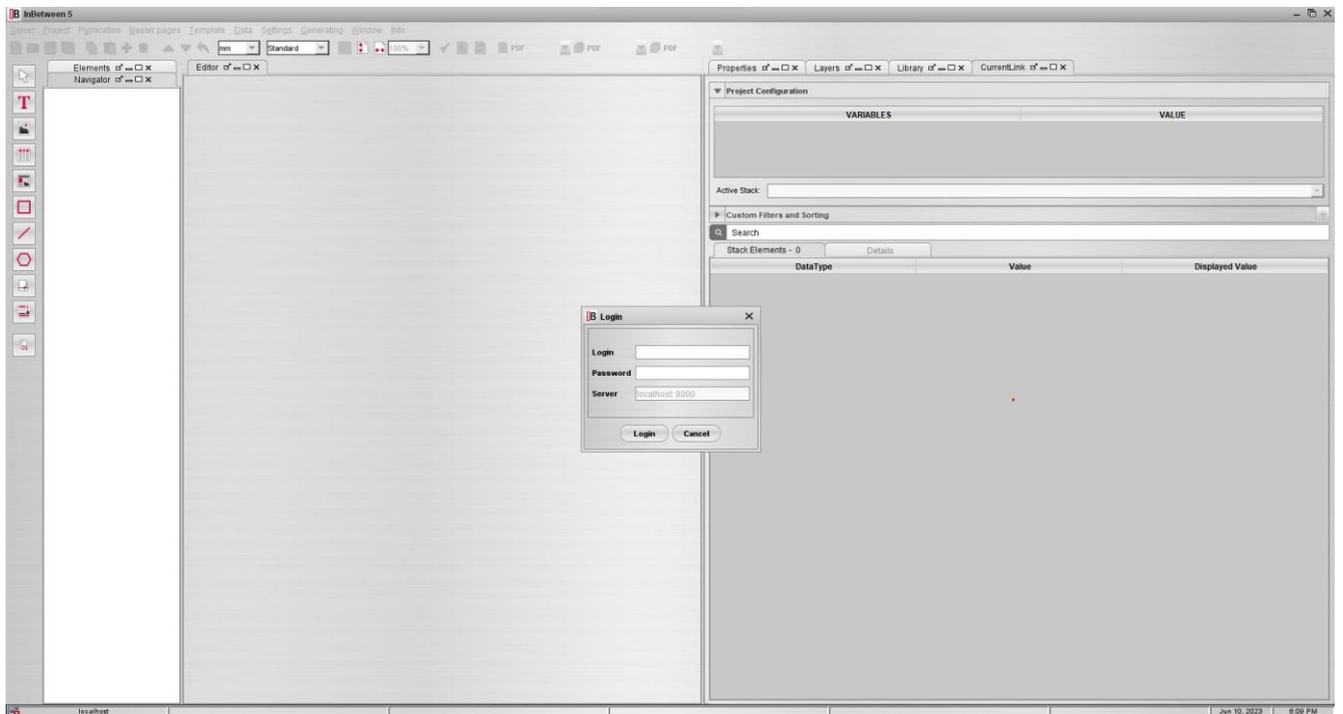
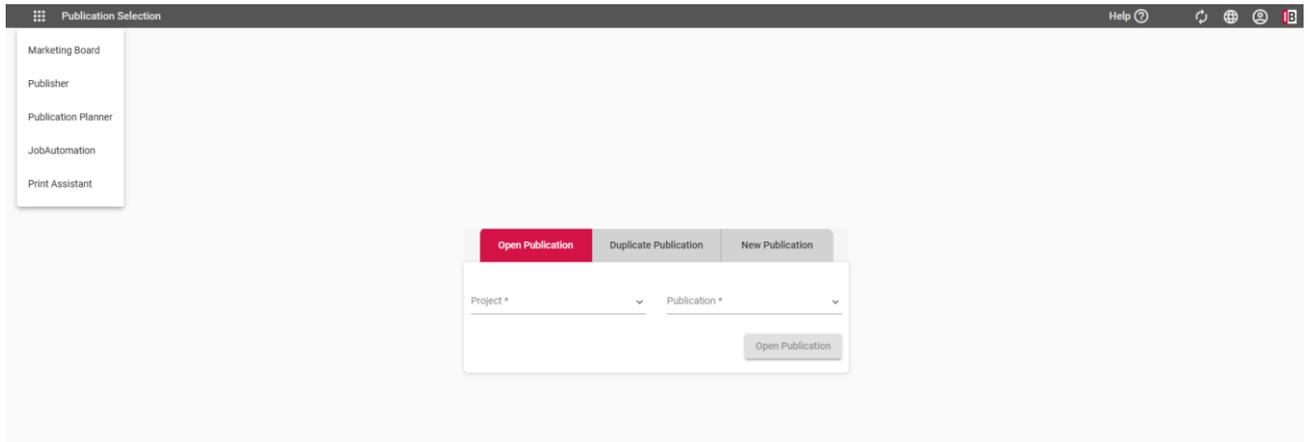
```
C:\inbetween\InBetweenServer>pushd C:\inbetween\InBetweenServer\  
  
C:\inbetween\InBetweenServer>set CLASSPATH=../Libraries/Core/IBCommon.jar;../Libraries/Core/IBStubs.jar;../Li  
braries/Core/IBCore.jar;./IBServer.jar;../Libraries/Core/core.jar  
  
C:\inbetween\InBetweenServer>set CLASSPATH=../Libraries/Core/IBCommon.jar;../Libraries/Core/IBStubs.jar;../Li  
braries/Core/IBCore.jar;./IBServer.jar;../Libraries/Core/core.jar;./server.jar;./service.jar;./IBData.jar;./  
IBGeneratorService.jar  
  
C:\inbetween\InBetweenServer>set CLASSPATH=../Libraries/Core/IBCommon.jar;../Libraries/Core/IBStubs.jar;../Li  
braries/Core/IBCore.jar;./IBServer.jar;../Libraries/Core/core.jar;./server.jar;./service.jar;./IBData.jar;./  
IBGeneratorService.jar;../Libraries/lib/*  
  
C:\inbetween\InBetweenServer>set JAVA=../Libraries/jre/bin/java  
  
C:\inbetween\InBetweenServer>set JAVA_OPTS=-Xms1024m -Xmx4096m -Djava.security.policy=java.policy -Dorg.apach  
e.xml.dtm.DTMMManager=org.apache.xml.dtm.ref.DTMMManagerDefault -Dlog4j.configurationFile=log_config_server.xml  
-XX:+HeapDumpOnOutOfMemoryError -XX:HeapDumpPath=server.hprof -XX:+UseShenandoahGC  
  
C:\inbetween\InBetweenServer>rem set JAVA_OPTS=-Xdebug -Xrunjdwp:transport=dt_socket,address=8787,server=y,sus  
pend=y -Xms1024m -Xmx4096m -Djava.security.policy=java.policy -Dorg.apache.xml.dtm.DTMMManager=org.apache.xml.  
dtm.ref.DTMMManagerDefault -Dlog4j.configurationFile=log_config_server.xml -XX:+HeapDumpOnOutOfMemoryError -XX:  
HeapDumpPath=server.hprof -XX:+UseShenandoahGC  
  
C:\inbetween\InBetweenServer>"../Libraries/jre/bin/java" -Xms1024m -Xmx4096m -Djava.security.policy=java.poli  
cy -Dorg.apache.xml.dtm.DTMMManager=org.apache.xml.dtm.ref.DTMMManagerDefault -Dlog4j.configurationFile=log_conf  
ig_server.xml -XX:+HeapDumpOnOutOfMemoryError -XX:HeapDumpPath=server.hprof -XX:+UseShenandoahGC com.ib.ps.ser  
ver.ServerApp -OEM 1  
Launching InBetween Server 5.0.9.0...  
System Checksum: MTY4NjQwMDU1MjUzNQ==5.0.9.0  
Server started successfully in 14166 ms
```



Login To
IB Account 

Publication Wizard 

LOGIN



InBetween

-  Login
-  Generation Stats
-  Settings
-  User
-  User Groups
-  Projects
-  Connected Clients
-  Renderers
-  Repository
-  About

Login

Server Name	InBetween	
Server host	192.168.0.3	
Server port	8000	

User Remember Me

Password [Forgot Password](#) 

 Connect  Disconnect

 Shutdown server  Restart Server

TIMELINE

January 2023

Week 1:

- Orientation related to the company and on-boarding process by HR in-between
- Installation of IB software, the installation of License etc.
- Demonstration of In-between software's.

Week 2:

- Creation of a simple project using project editor, the functionality of the project editor.
- How to import different projects using project editor.
- Training of a project editor

Week 3:

- How to connect data base, stack addition, selecting the template, publications, master publications etc.
- Jira training by scrum master, How to put the log works, How to create a ticket etc
- Training on QA process including Bug ticket creation ,Test case writing and update

Week 4 :

- Functionality testing of publication wizard client, the uses of the PW client.
- How to open publication, create new publications, elements selection, stacks and baskets, page planning, master pages, creating annotations, data sources, page orientations and generations of documents etc.
- How to generate outputs from PW client in different types of output formats.

February 2023

Week 1:

- InDesign Dtp client functionality testing
- How to generate the templates
- To update the documents.
- To connect DTP client with the server on different machine
- The multi-machine connections and setup.
- How to import project from admin, giving image path, adding renderers.
- How to add user and user groups from admin, giving client rights, project rights, system rights etc
- How to monitor the generations,

- Changing the port from 8080 to 8443 etc

Week2 :

- Image settings in DTP client, Image path replacements.
- Whiteboard settings like Updating stack, selecting stack, template selections, editing of templates, Preview of templates etc
- Learned the whole functionalities of DTP client .
- Attended fitness sessions by In-between

Week 3 :

- Functional testing of IB Publisher
- Functional testing of windows indesign plugin test
- Functional testing of MAC OS 11 Big Sur platform
- Functional testing of mac illustrator plugins.

Week 4 :

- Functional testing of windows indesign server.
- Functional testing of illustrator inbetween.
- Functional testing of Job automation.
- MacOS ventura version 13 testing

Bugs reported:

- DEV-27393: Print Assistant: Search functionality is not working correctly
- DEV-27405: Publication Planner: No message is displayed if we try to create the publication with same name
- DEV-27414: Publication planner: Search functionality is not working properly for responsible column
- DEV-27417: IbSSO: Client should be highlighted on mouse Hover
- DEV-27424: DTP Client: Json parsing error is thrown
- Learned how to use non UI clients, how to write scheduler files etc

March 2023

Week 1:

- Testing of PW bug on windows and mac os browsers.
- Joined team c.
- Testing of a bug creating test tickets
- Testing of admin client bug ticket
- Functionality testing of Indesign DTP client.
- Data library and DTP Template testing
- Testing of changing GUI style in PE settings.
- How to create a tickets and assigning of tickets etc

- Testing of additional space that was coming in PE when renaming the frames.
- Testing of Publication planner image blinking issue. And another bug on safari.
- Testing of search functionality not working of Print Assistant.

Week 2 :

- Testing of Search functionality not working in publication planner.
- Testing IBSSO client page .
- Tested the ticket which I had created before -DEV-27424: DTP Client: Json parsing error is thrown
- Fitness session.
- Testing of Joblist Ui breaks for failed jobs
- Testing of Improper UI found in PW builder tab.

Bugs reported:

- DEV-27454: PW: UI is not proper in builder tab.
- DEV-27461: Publication Planner: Previous selected project is getting displayed when you perform sync.
- DEV-27485: PW: Handle responsiveness for generate tab in PW.
- DEV-27488: PW: On reload/sync the FLIB preview icon changes to download icon in joblist panel
- DEV-27500: IBSSO: Product selection hover is inconsistent

Week 3

- Testing of a publication planner 2 bug tickets.
- Testing of inconsistent behavior of FLIB preview.
- Installation of trunk checkout, learned to take the build
- SVN, clean build etc.
- Search functionality of responsible column of PP testing.
- Completed Print assistant functional testing.
- Handling of customer project cp brasseler
- Writing test cases for the bug tickets and then testing it.
- Testing of tooltips not working for PE.

Bugs reported:

- DEV-27548: JA: output is not getting saved when update is done selecting update groups.
- DEV-27557 PE: Tooltips are not displayed for some icons in PE.

Week 4:

- Testing of a IBSSO inconsistent hover.
- Had a meetings sessions for retrospective
- After every sprint we have retrospective meetings, we have to tell what went well in the sprint , what did not go well, what are the improvements needed from the company side, The difficulties faced in the sprint etc.
- Testing of admin mac restore functionality.

- Fitness session
- After sprint had got the task to clean up the systems to make the space in the disks .
- Testing Project Editor UI functionality.

April 2023

Week 1:

- Testing UI breaks for lower screen resolutions of publication wizard.
- Writing test cases for integration of PA client in IBSSO login page and testing was done.
- Testing of publication wizard client
- Testing of URL generator output ticket.
- Testing of In-between apps not displayed in the app menu
- Testing of the mac restorer functionality
- QA meetings of tickets discussions etc.
- Testing of lock functionality of PW.

Reported a bug

DEV-27724: IBSSO: Job Automation option is displayed in In-between app button even if user doesn't have rights.

Week 1:

- Testing of portwest publication for HIRES format on mac and windows.
- Testing of the Admin tickets.
- Reproducing the tickets tasks.
- Testing of PE UI and reporting the issues.
- Integrate PA in IBSSO ticket testing.
- Executing FT's during release time, and report a bugs if issues are found for DTP client, job automation, mac os platform testing etc.
- Also customer project testing.

Week 2 :

- Testing of Product selection dropdown is not displayed when you logout from Print Assistant
- Learned to create and installed license using license installer.
- Also tested clients with different license and reported the issues.
- Testing of PA is not displayed in client menu.
- Functional testing of image frame properties.

- Testing of image frame in PE.

Bugs reported:

- DEV-27812: Server side AI generations are failing from all clients
- DEV-27820: Print Assistant: InBetween App button is not displayed.
- DEV-27821: IBSSO : Product selection dropdown is not displayed when you logout from PA.
- DEV-27826: PW : Publication wizard is not loaded if license doesn't have Print Assistant client right

Week 3:

- Customer project somfy generation testing , connecting to aws instance , settings of somfy image path, generating the output and checking of the output etc.
- Customer project Bette preisliste generation testing.
- Data library functionality testing of project editor.
- Customer project keuco price list testing.

Bugs reported:

- DEV-27863: IBSSO : Clients are not displayed in InBetween app button for attached license.

- DEV-27872: Publisher : PA option is not displayed in inbetween app menu.
- DEV-27895: PE : Image is not displayed when user gives image value in the static before/after for table frame.

Week 4:

- Somfy and bette generation tests.
- Team retrospective meet
- Going through the team tickets, assigning tickets and creating a test tickets and test cycles etc.
- Testing of IB clear cache functionality.
- Testing of Publication is not updated correctly after moving current links from one page to another page for multi-user setup
- Testing of renderer settings tab

May 2023

Week 1 :

- Testing of print assistant UI, the inbetween app button was not displayed in print assistant.
- FT executions of windows illustrator,

- Publication planner,
- BSH pricelist UI test,
- Customer project meurer catalog generation test

Bugs Reported:

- DEV-28117: Admin : All rights are de-selected when only client right checkbox is unchecked.
- DEV-28113: Publisher/JA : Tooltip is not displayed for InBetween Apps icon

Week 2:

- Writing test cases for the bug tickets assigned to me and testing of it.
- Also executing the release ft's and customer projects,
- Reporting of bugs.
- Discussions with other QA members if found issues.
- Functional testing of Update of INDD .

Week 4:

- Testing Customer projects.
- Testing of PW functionality.
- Writing of test cases, testing of the tickets and resolving the tickets, if issues are not fixed then ticket was reopened

June 2023

Week 1 :

- Executed the customer projects on one system, did the system setups importing the projects and generating the outputs etc.
- Setting the target dates to the assigned tickets.
- Testing and resolving the tickets .4
- Than had a fun activity/ fun Wednesday had gone for a movie with company.
- Completed Festool wood customer project.
- Tested akeneo showcase issue .
- Tested the admin UI for smaller screen size.

LEARNINGS AND OVERALL EXPERIENCE

My internship period of six months at In-between was amazing, had a great experience to work in IT company, taught me a lot about IT industry. It was completely a new experience for me to work as an employee of the company, had new roles and responsibilities. Starting it was difficult for me to understand some things and to get used to the environment, but with time I was settled.

Everyone was very helpful and friendly; I made many friends. Also, our team members and QA members were very helpful they helped me with understanding all the systems and projects quickly and also cleared my doubts patiently.

I learned lot of things, experienced in developing and maintain overall test methodology and strategy, Documenting Test plans, Test cases and editing, executing Tests cases, Analyzed User Requirements and Technical Specifications. Had a real-life experience about how Sprint actually works, also learned about the software development life cycle. I had only read about daily standup meetings, but in the company, I experienced it. Also developed my working skills, the team work, how to manage things etc.

The biggest skill that was enhanced during the internship was the ability to adapt and learn. This internship has given me insights into the software world and how things actually work in the industry. The internship has been very technical and has improved my technical knowledge tremendously. I got a chance to communicate with professionals who motivated me to achieve a better understanding and knowledge of the domain, technology as well as industry related environment.

To conclude, this internship has inspired me to pursue a career in the field of software development technology and to excel in it. It was a great learning experience and I consider myself honored for being a part of In-between software Pvt. Ltd