

## Internship Report at Zapcom Solutions

By: Rachit Naik Gaunkar

Roll No: 2037

Under the guidance of :

*Mr. Ganesh Kumar Gollavilli*

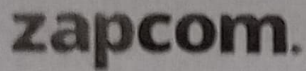
*(Software Developer, ZapCom Hyderabad)*

*Mr. Amit Gehlot*

*(Senior Software Engineer, ZapCom Bangalore)*

*Mr. Sandeep Vyas*

*( Software Developer, ZapCom Bangalore)*



1<sup>st</sup> June 2023

TO WHOMSOEVER IT MAY CONCERN

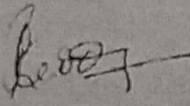

This is to inform you that **Mr. Rachit Naik Gaunkar**, student of Master of Computer Applications (MCA) of Goa University, Goa, is currently undergoing his final semester project (Semester VI/V) at our company, **Zapcom Solutions Pvt. Ltd** from 4<sup>th</sup> January, 2023.

During his tenure he has met the expectations of his team lead/mentor/guide and found to be regular and sincere.

This letter is being issued on his request to be submitted with the project report at Goa University.

The final internship completion letter will be provided on completing his internship.

For Zapcom Solutions Pvt. Ltd.

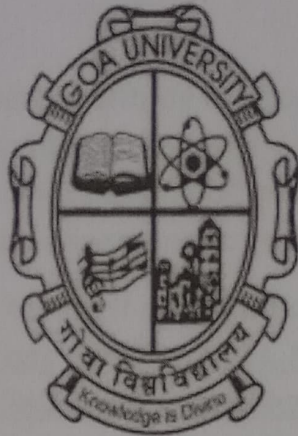
  
  
**Srinivas Reddy Kothakota** ★  
Chief Operating Officer

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Zapcom Solutions Pvt. Ltd  
9<sup>th</sup> Floor, Gamma Tower, Sigma Soft Tech Park,  
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105 Decker Court, Ste. 810 Irving,  
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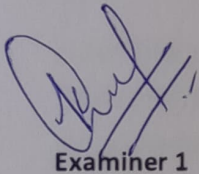
## GOA UNIVERSITY



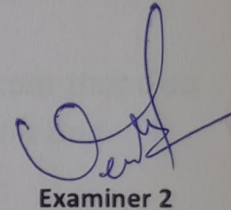
## GOA BUSINESS SCHOOL

### CERTIFICATE OF EVALUATION

This is to certify that Mr. Rachit Naik Gaunkar has been evaluated for the project work titled  
"Report of Internship done at Zapcom Solutions Pvt Ltd" undertaken at ZapCom  
Solutions Private Limited, Bangalore in partial fulfillment for the award of the degree in Master  
of Computer Application.




Examiner 1



Examiner 2

Place: Goa University

Date: 16th June 2023



Dean, Goa Business

## Acknowledgment

*I would like to express my sincere gratitude to Zapcom and Goa University for their invaluable support throughout my journey. I am immensely grateful to the CEO of Zapcom, as well as the entire team, for granting me the opportunity to grow and learn in a professional environment.*

*I would also like to extend my heartfelt appreciation to my mentors, "Ganesh Kumar Gollavilli, Amit Gehlot, and Sandeep Vyas, for their guidance and help through their expertise in the field of Web development." Also Special thanks to "Subramanian Arumugam, Nehal Parsekar and Dhanraj Raiturkar" for their unwavering support and valuable insights which have played a pivotal role in shaping my skills and knowledge.*

*Furthermore, I would like to thank my college and all the professors for their overall support and the conducive learning environment they provided. Their commitment to excellence and dedication to nurturing students has been instrumental in my personal and professional development.*

*I am truly grateful for the experiences and opportunities that Zapcom that Goa University have provided me, and I look forward to utilizing the skills and knowledge gained to make meaningful contributions in the future.*

Rachit Naik Gaunkar



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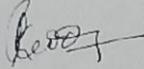
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*Rachit Naik Gaunkar*

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## Introduction

*This internship report describes the projects carried out during a 6 month, full-time internship period pursued by Rachit Naik Gaunkar at ZapCom Solutions Private Limited in accordance with the curriculum of the VI Semester Industrial training of Department of Computer Science and Technology, Goa University - Goa.*

*The first part of the report offers an overview of the organization, followed by the technologies I have used, and the highlights of various relevant projects carried out and their respective analysis performed during the month of January till May 2023.*

*Later the report also gives a brief note on the list of things done during the period of January to May*

*Finally, the report wraps up with all the certifications and learnings I did, and the platforms used for references.*

## Company Profile

*ZapCom is a product-based company. It is an ISO 9001 and 27001 certified company with a strong leadership with over 120 years of cumulative Travel and Hospitality domain expertise. It supports Start-Up ideas in various aspects like Travel, Hospitality and Retail industry.*

*ZapCom excels in improving system performance, enhancing delivery efficiency and reducing costs. It provides end-to-end solutions in Application Development, and it also helps in developing Advanced IT Technologies and Solutions.*

*ZapCom has strong Management team with experience in Product Engineering and E2E Consulting and the ZapCom's core team has deep domain knowledge and expertise in e-commerce and Travel and Hospitality. The company helps its customers to build complex software solutions on cloud or migrate the legacy.*

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***Vision: To raise innovative ideas with good amalgamation of technology and go-to-market strategy.***

***Mission: To build a team of talented resources with the right technical insight to serve customers with top-notch products and services in travel, hospitality and retail industry.***

***Philosophy: To collaborate with its partners in a long-term journey to enrich customer experience on a daily basis.***

---









*ZapCom has successfully delivered many projects in Agile and Scrum methodology. The company has helped its customers to adopt and further improve their delivery efficiency through automation of DevOps and Testing.*







*ZapCom helps its customers to achieve performance targets. ZapCom's Architecture Realization, Solution Engineering, Database Re-engineering and Performance Engineering services spearheaded by seasoned technologists help to achieve any organization's IT objectives.*

## Our Customers



## Technologies I learned

	<i>HTML: Markup language used for structuring web pages.</i>
	<i>CSS: Styling language used for designing the appearance of web pages.</i>
	<i>JavaScript: Programming language used for adding interactivity and functionality to web pages.</i>
	<i>TypeScript: Superset of JavaScript that adds static typing and additional features.</i>
	<i>React.js: JavaScript library for building user interfaces.</i>
	<i>Next.js: React framework for server-side rendering and building web applications.</i>
	<i>Node.js: JavaScript runtime environment for executing server-side code.</i>
	<i>Express.js is a fast and minimalist web application framework for Node.js that simplifies the process of building robust and scalable server-side applications.</i>

 <p>Material-UI</p>	<p><i>Material UI: UI component library for React applications.</i></p>
 <p>mongoDB</p>	<p><i>MongoDB: NoSQL database for storing and managing structured data.</i></p>
 <p>Firebase</p>	<p><i>Firebase: Platform providing various backend services, including authentication, database, and hosting.</i></p>
	<p><i>MySQL: Relational database management system.</i></p>
 <p>AWS Cognito</p>	<p><i>AWS Cognito: Amazon Web Services (AWS) service for user authentication and authorization.</i></p>
	<p><i>WordPress: Open-source content management system for creating websites and blogs.</i></p>

	<p><i>PHP: Server-side scripting language for web development.</i></p>
	<p><i>Git is a distributed version control system that allows for efficient tracking, collaboration, and management of code repositories</i></p>
	<p><i>Figma is a collaborative design tool that enables teams to create, share, and iterate on digital designs in a seamless and efficient manner.</i></p>
 <b>POSTMAN</b>	<p><i>Postman is a powerful API development and testing tool that simplifies the process of sending HTTP requests, inspecting responses, and collaborating with team members.</i></p>
 <b>Vite</b> <small>Next Generation Frontend Tooling</small>	<p><i>Vite is a fast and lightweight build tool that optimizes the development experience for modern web applications by providing instant server start and blazing-fast hot module replacement (HMR).</i></p>

# Project- Viva Voyage



*VivaVoyage is a cruise booking website which allows customers to book the best Cruise Vacations for the best prices.*

## **My Contribution**

*In the VivaVoyage project, I utilized the following technologies: HTML, CSS, PHP, JavaScript, MySQL, and WordPress. With these tools, I successfully completed the following tasks:*

### *1. Payment Success/Failure Page:*

- *Created a page for handling payment success or failure based on the Odysseus ID from the URL.*
- *Identified a testing issue where the ID was replaced with a session ID from Pay360, resulting in the page not loading.*
- *Proposed a solution based on Pay360's documentation, utilizing the session ID to retrieve the transaction ID from the database.*
- *Implemented the solution, ensuring accurate display of payment status based on the transaction ID.*

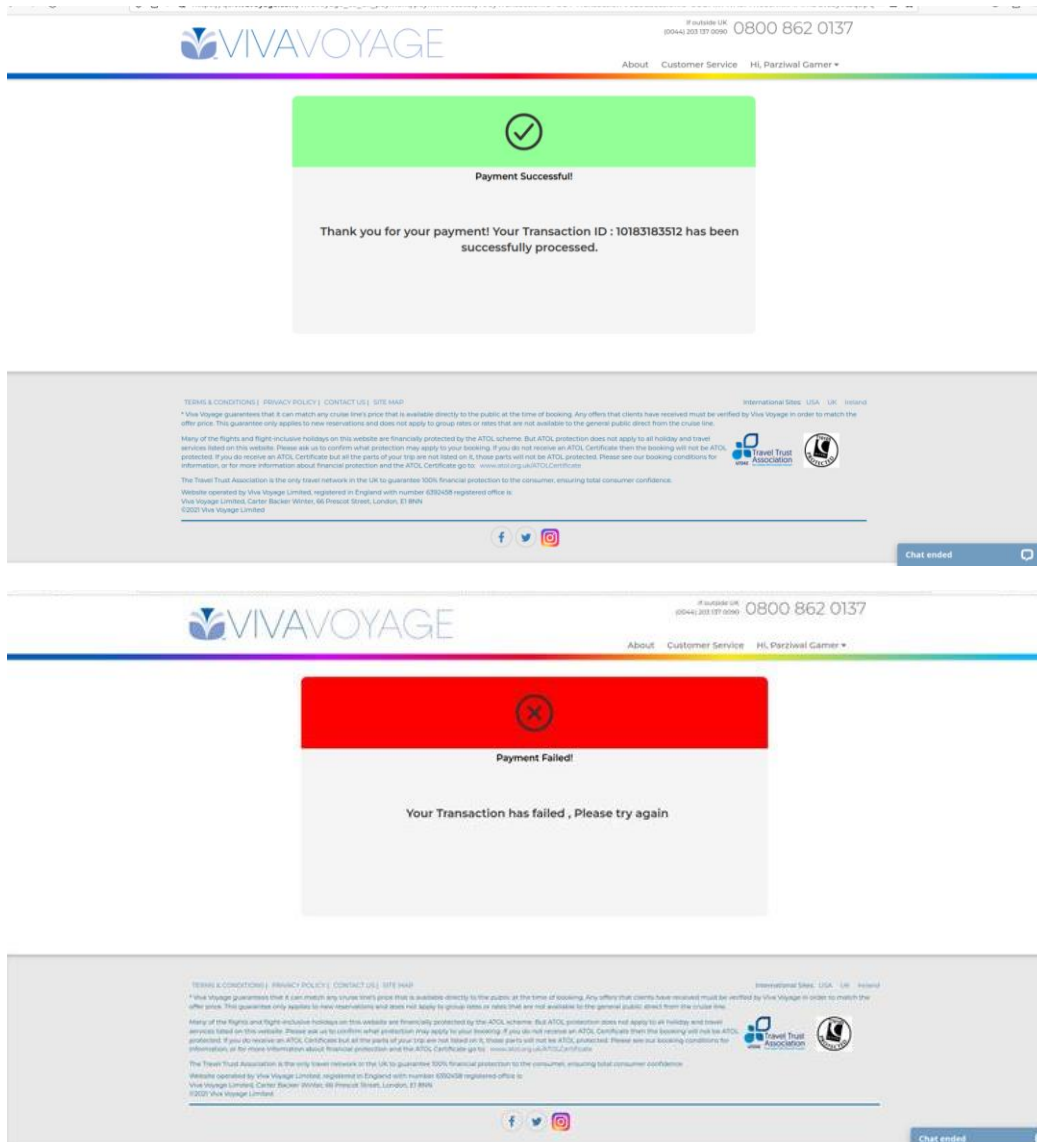
### *2. UI Changes:*

- *Played a key role in enhancing the user interface (UI) of the VivaVoyage website.*
- *Made strategic changes, removing and aligning elements as per client requests to improve the overall aesthetics and user experience.*
- *Ensured consistency in design principles, maintaining the brand's visual identity throughout the UI modifications.*

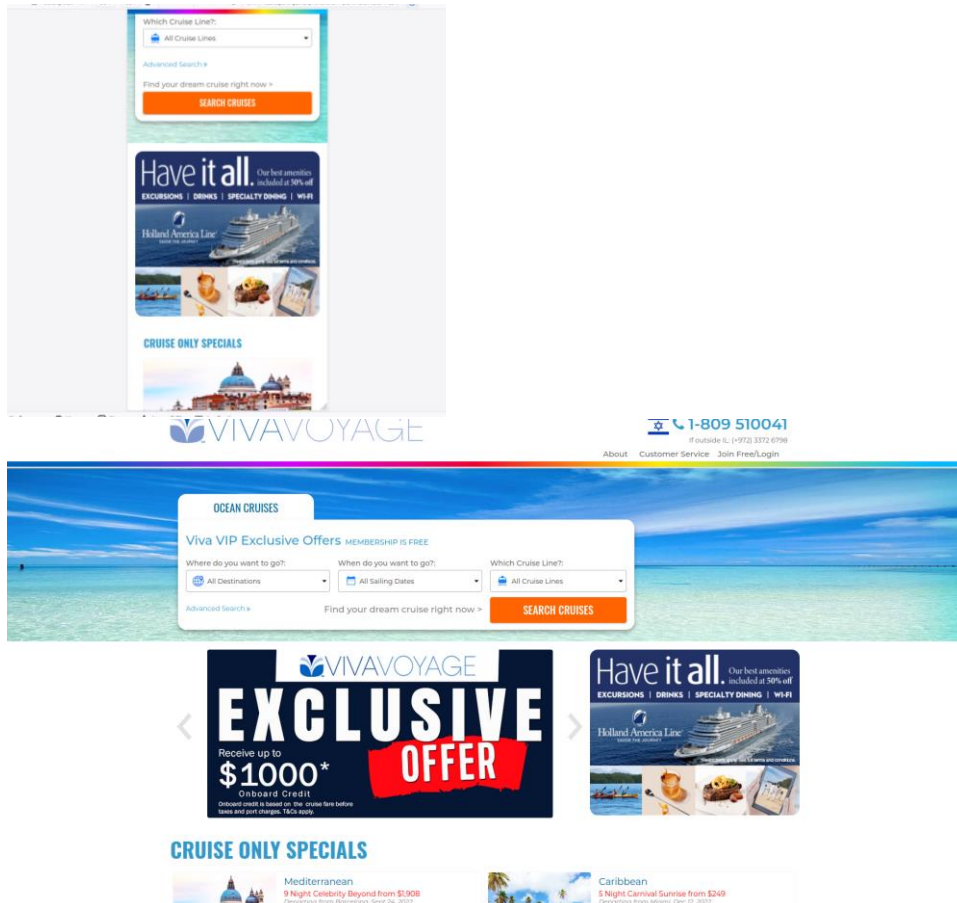
*By leveraging HTML, CSS, PHP, JavaScript, MySQL, and WordPress, I contributed to the successful completion of the payment success/failure page and the enhancement of the VivaVoyage website's UI.*

## Screenshots:

### 1. Payment successful/failure



## 2. UI Changes – The changes I made the front carousal, and the side box are live



## **POC project**

### *1. Moviefy – A MERN stack application ( Assigned by mentor)*

#### *1. Web Application:*

- Developed a full-stack web application using the MERN (MongoDB, Express.js, React.js, Node.js) stack, and mui for to help building UI.*
- Utilized MongoDB as the database to store movie data, including posters, details, and other relevant information entered by the user.*

#### *2. Movie Search Functionality:*

- Implemented a search feature using debouncing technique to avoid unnecessary continuous requests.*
- Integrated the search functionality with the MongoDB database to fetch and display movie results based on user input.*

#### *3. Movie Posters and Details:*

- Utilized the movie data stored in MongoDB to retrieve movie posters and display comprehensive details for each movie.*
- Implemented functionality to fetch and present accurate and up-to-date information, including synopsis, cast, and release date.*

#### *4. Review System:*

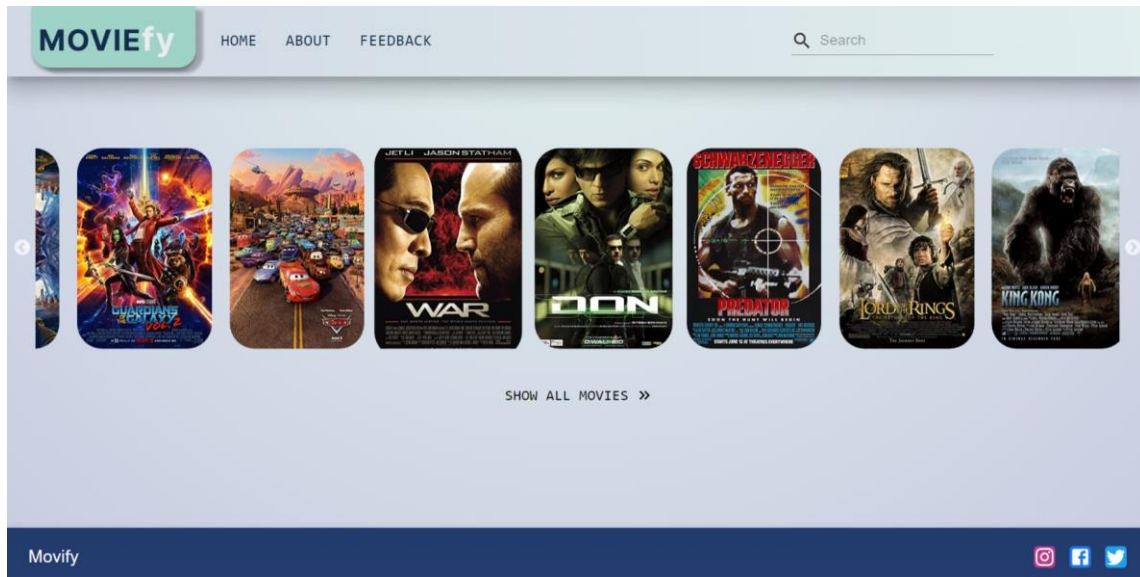
- Developed a review system where users can write and submit reviews for specific movies.*
- Ensured that reviews are associated with the corresponding movie and displayed to all users for reference.*

#### *5. Overall Feedback:*

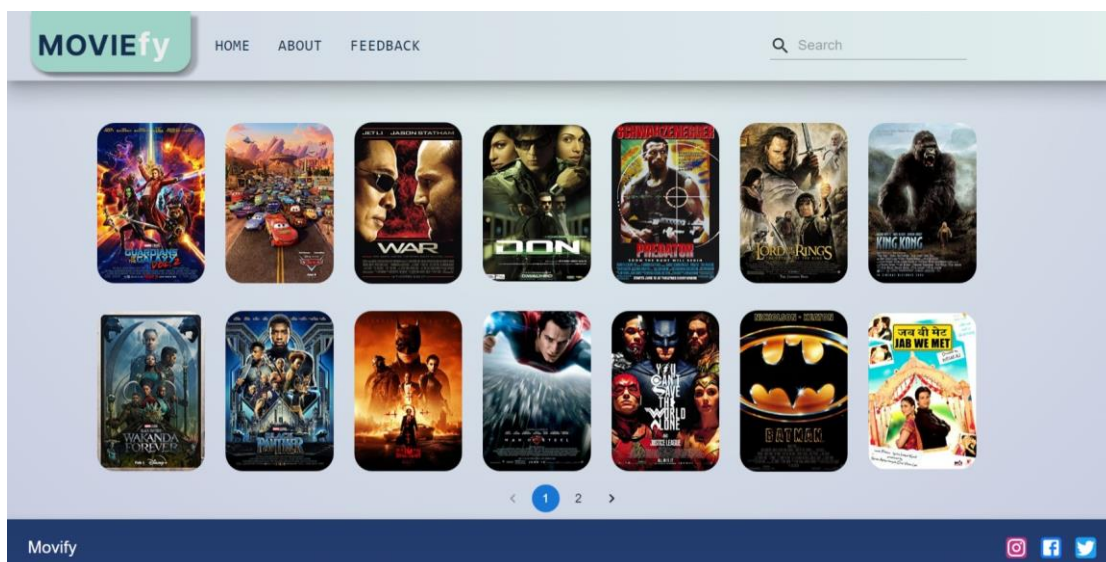
- Incorporated a feedback form or mechanism to gather users' overall feedback on the application.*

## Screenshots :

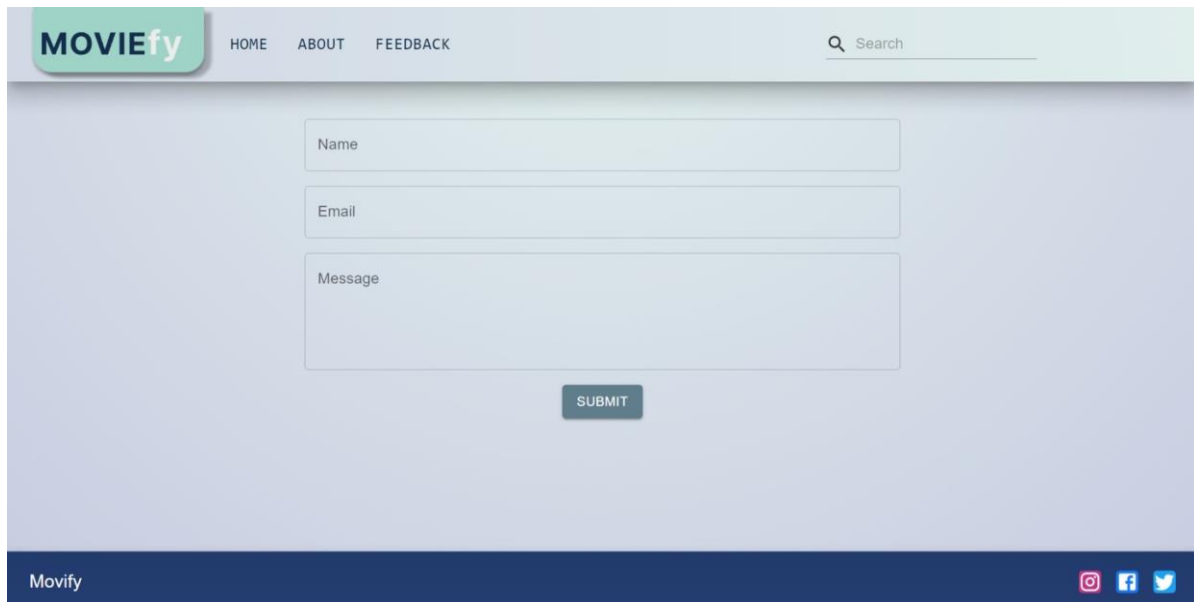
1. The landing page, that is the first page. The posters are on auto scroll , so its scrolls one at a time on its own.



2. The page that comes up when "Show all movies " is clicked. Here pagination is used to see the list of all movies.



### 3. The Feedback form – all validations are handled



The screenshot displays the MOVIEfy website's feedback form. The header features the MOVIEfy logo on the left, navigation links for HOME, ABOUT, and FEEDBACK in the center, and a search bar on the right. The main content area contains three input fields: 'Name', 'Email', and 'Message'. Below these fields is a 'SUBMIT' button. The footer includes the text 'Movify' on the left and social media icons for Instagram, Facebook, and Twitter on the right.

MOVIEfy

HOME ABOUT FEEDBACK

Search

Name

Email

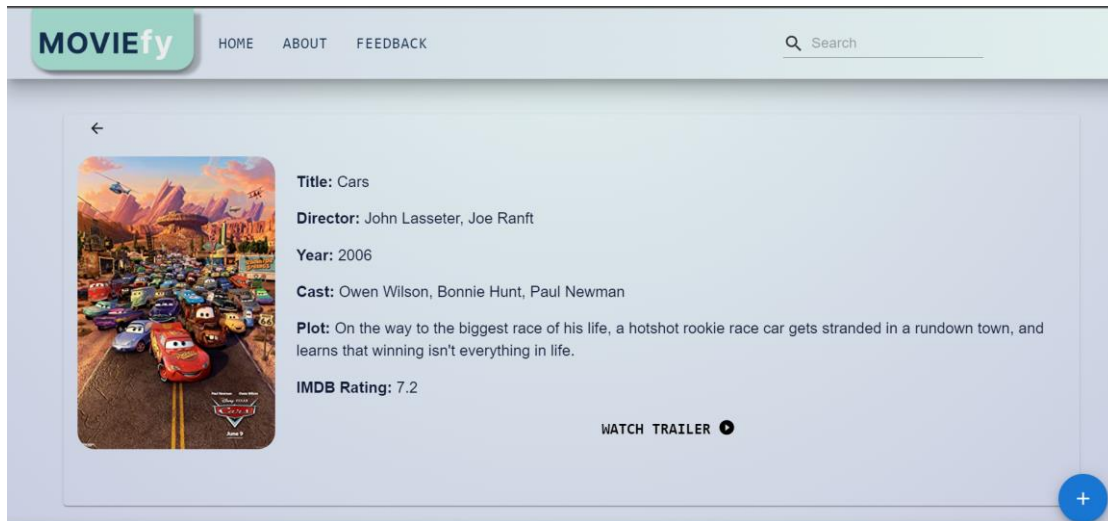
Message

SUBMIT

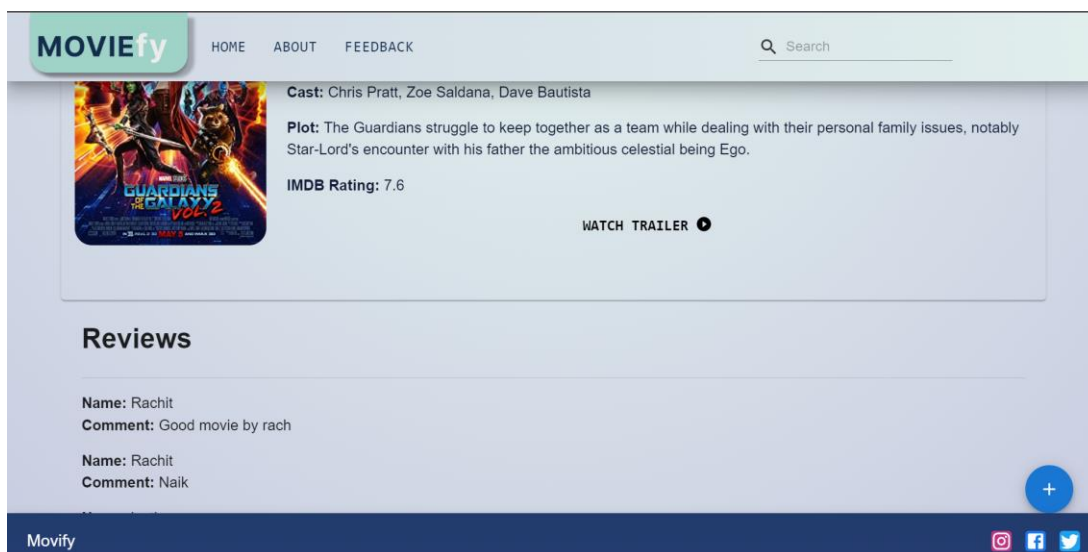
Movify

Instagram Facebook Twitter

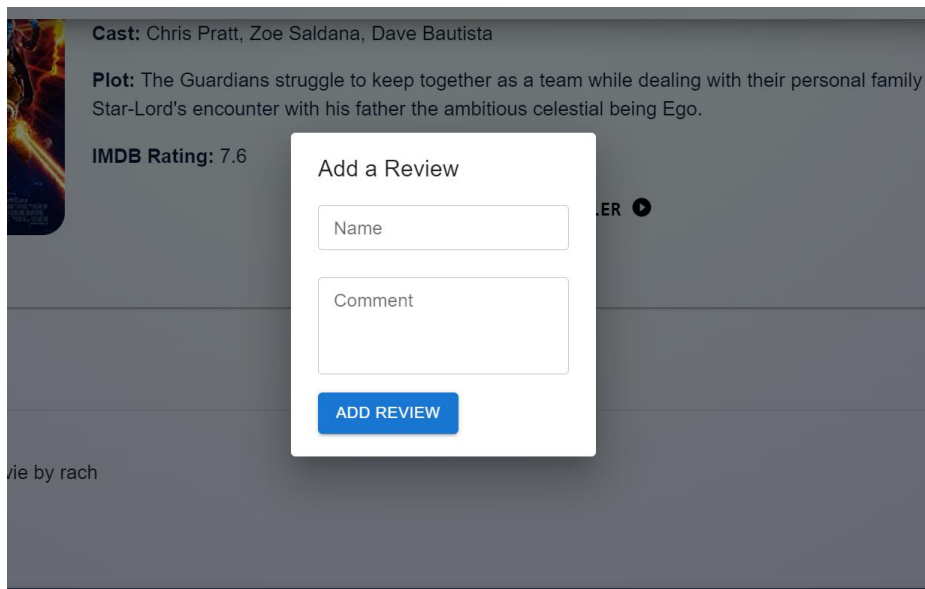
#### 4. The movie details page



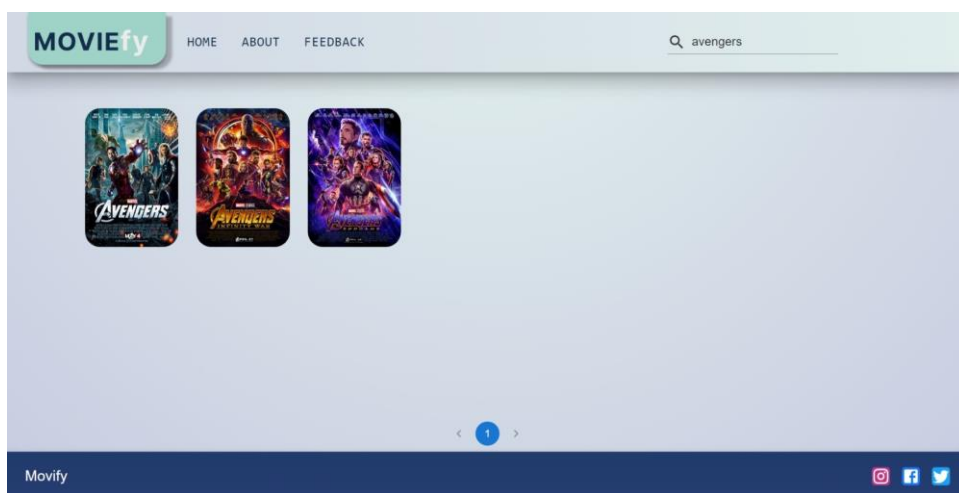
#### 5. Each movie detail , if you scroll down has a review sections where one can see the reviews added to that specific movie



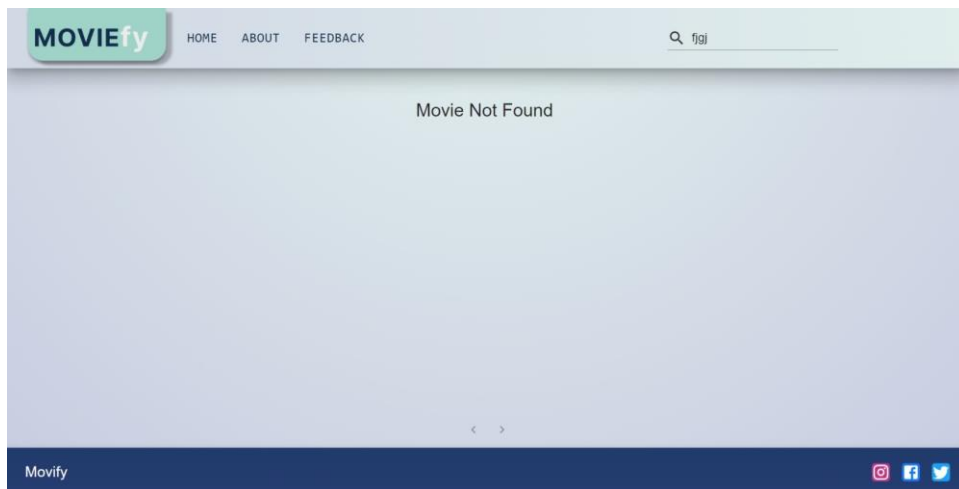
6. Add review Form that appears after clicking the plus button , and after hitting the review gets stored in database and also appears under the review section.



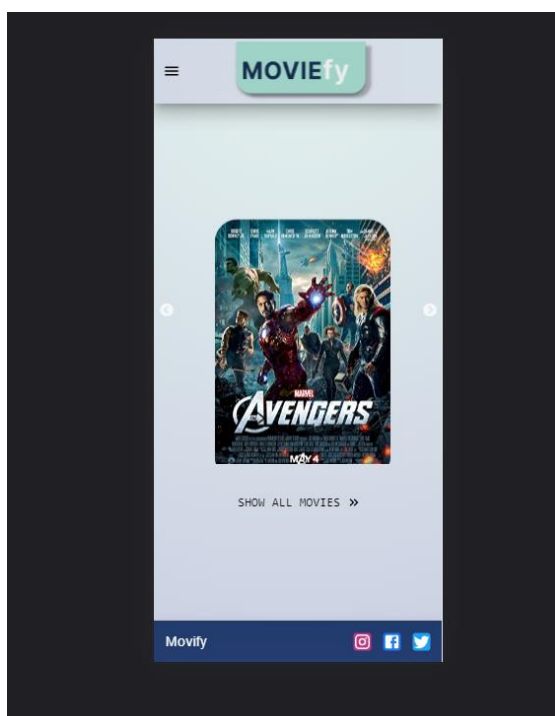
7. The results appear after searching on search bar



8. *If searched item doesn't exist in database.*



9. *Mobile Version of home / landing page.*



## 10. MongoDB screenshot

connect Edit View Help

localhost:27017 ...

Collections

+ Create collection Refresh

View [Menu Icon] [Grid Icon] Sort by Collection Name [Filter Icon]

My Queries

Databases [Refresh Icon] +

Search

▼ MovieData + [Trash Icon]

- feedbacks
- movies
- ▶ admin
- ▶ config
- ▶ local
- ▶ movies
- ▶ test

**feedbacks**

Storage size:	Documents:	Avg. document size:	Indexes:	Total index size:
20.48 kB	32	99.00 B	1	36.86 kB

**movies**

Storage size:	Documents:	Avg. document size:	Indexes:	Total index size:
32.77 kB	25	1.27 kB	1	36.86 kB

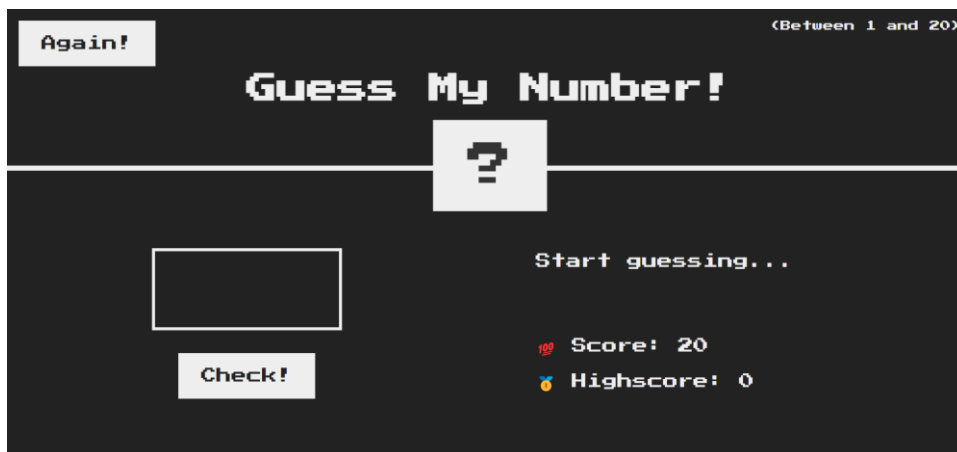
## ***Other projects done during the process of learning***

### ***1. Guess Number Game project (JavaScript)***

*In this a user has to enter a number between 1 to 20 , to guess which number is behind the question mark.*

#### *Screenshots*

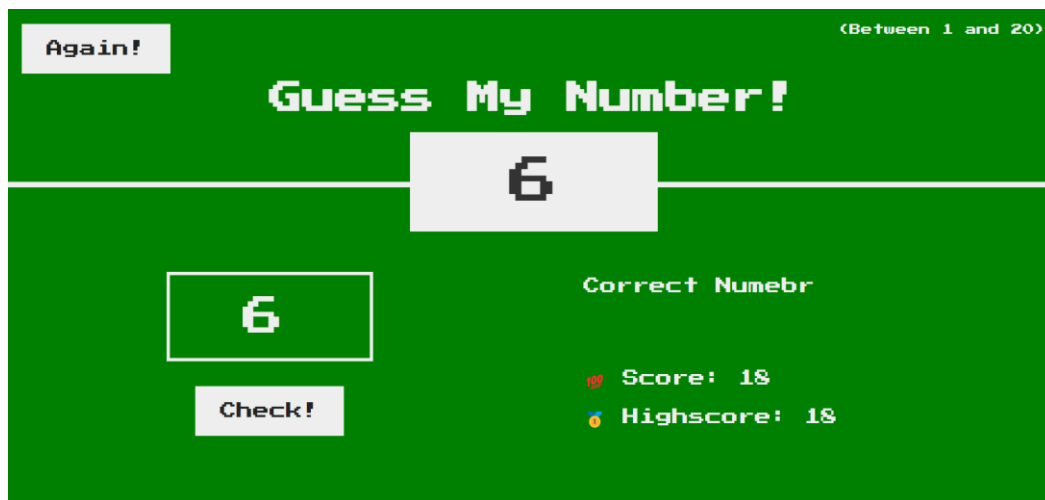
*1. The default page,*



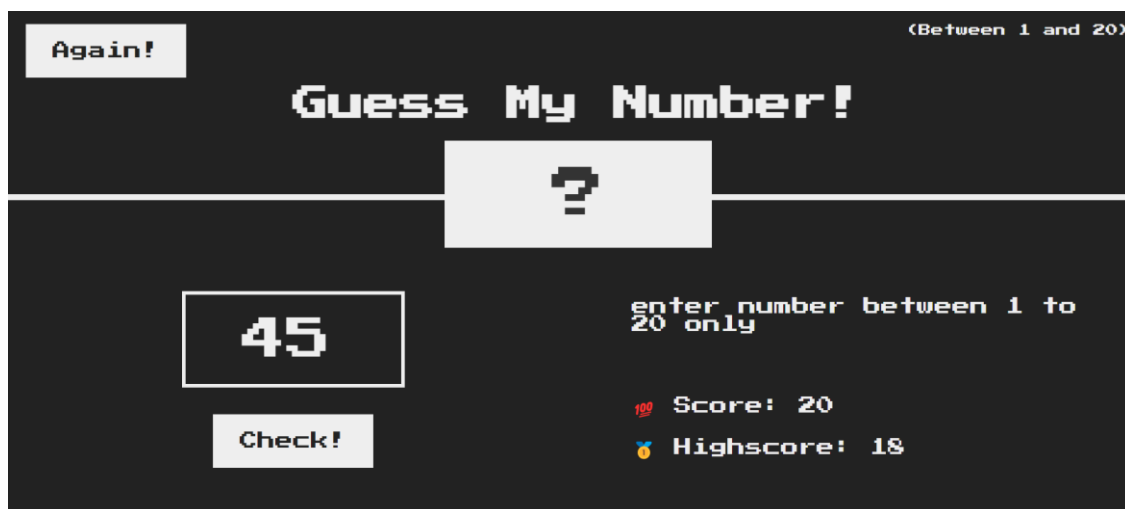
*2. The user has to enter number in the box provided , if the number entered is not the one , a hint is shown “High” or “Low” to show whether the entered number is greater than or lower than the actual number.*



3. Once you guess the correct number.



4. If you enter a number beyond the range of 1 to 20 , a message is displayed as shown below.

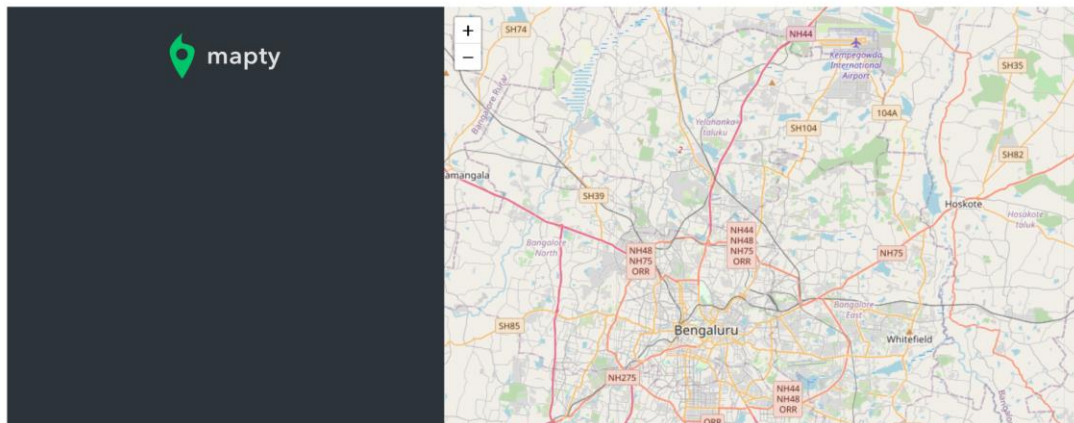


## 2. Mapty application (Javascript)

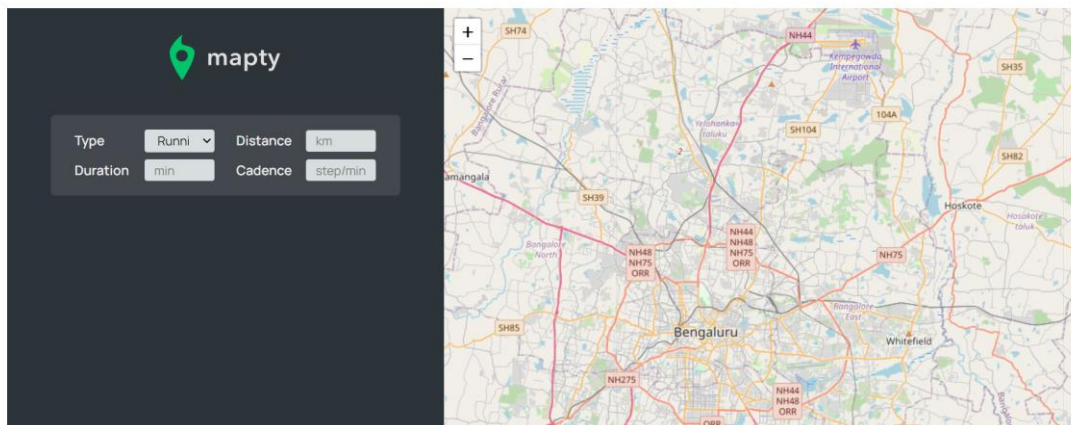
This project makes use of “Geolocation Api”, to enter details such as to where I performed certain workout activity etc.

Screenshots:

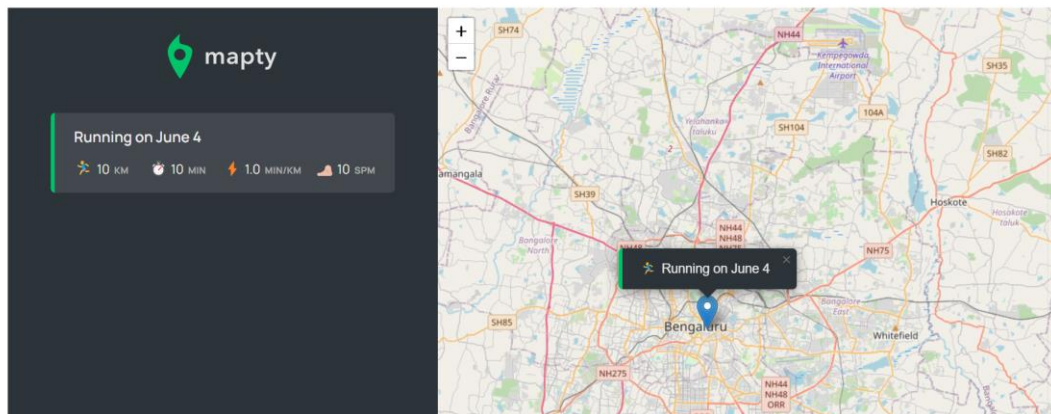
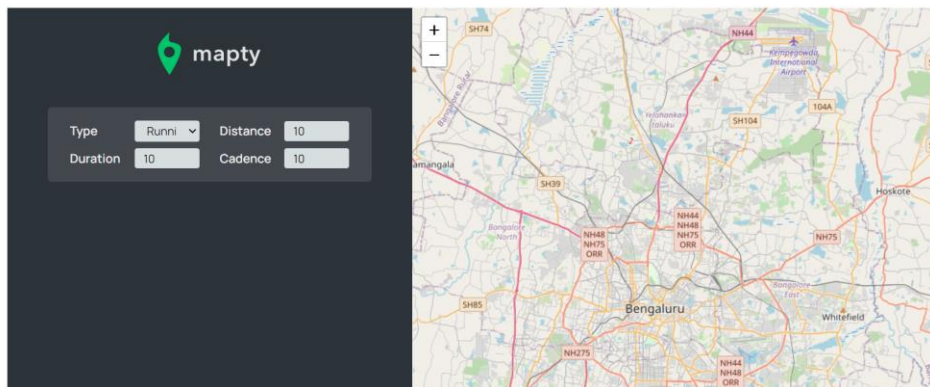
1. The first page



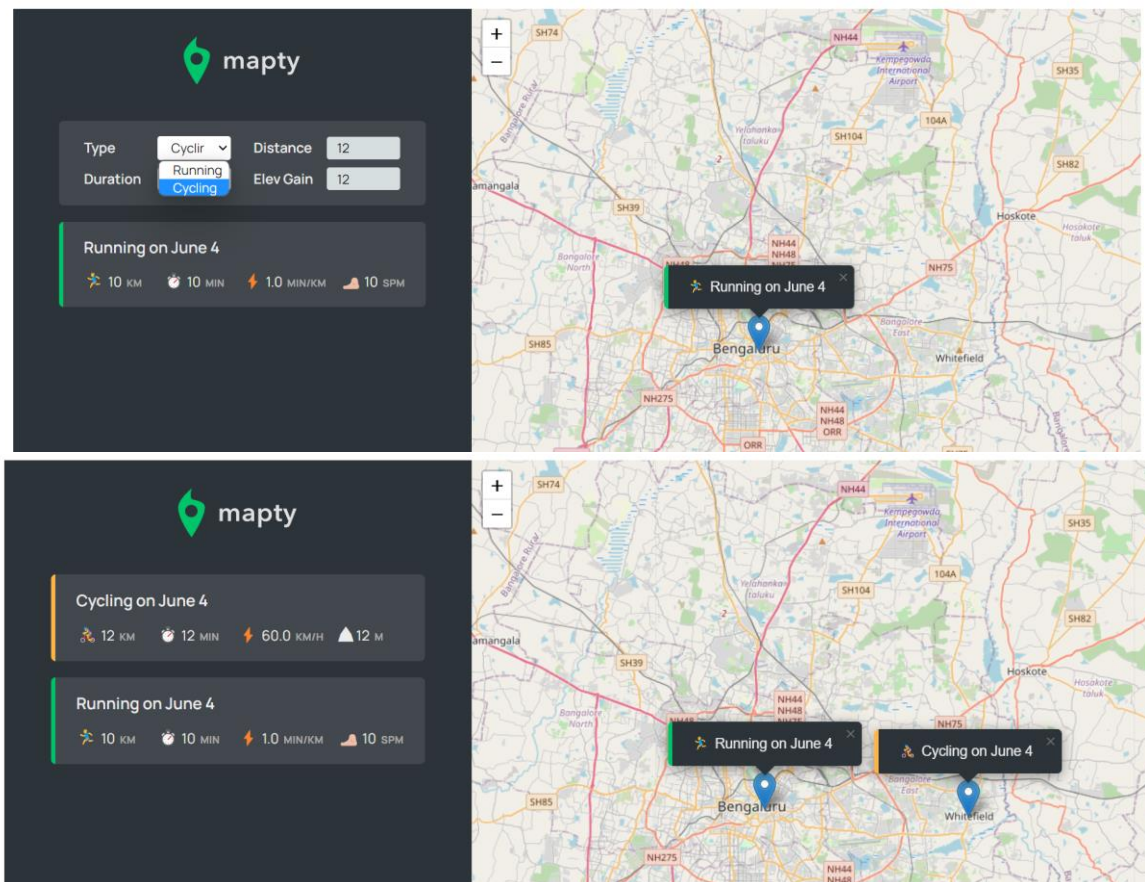
2. After clicking on a location on the map, the side table appears where you can enter details shown below, of what workout you did in that area.



3. So after entering Data for the workout of running , you hit enter and all the details appear along with the mark on the map , which you had selected . The date appears based on the day you are using this application.



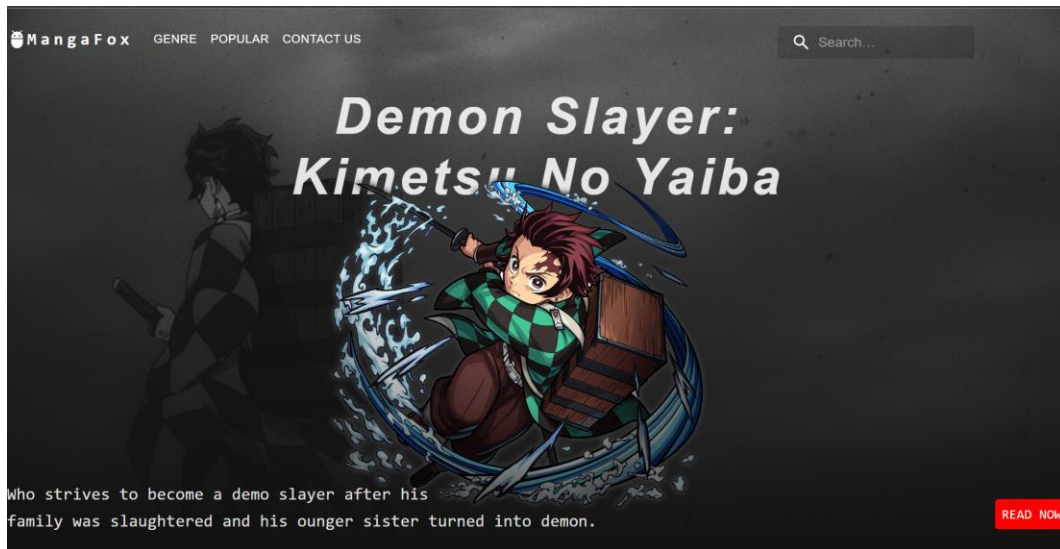
4. We can choose two types of workout , Running and cycling and based on what you chose the table changes.



### ***3. Anime/Manga site UI creation (React js , Material UI, Typescript – Assigned by Mentor)***

*This project focused on me creating and learning the process of UI development.*

*Screenshots*



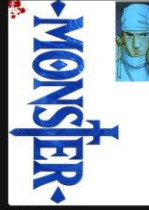
## New List Here



Title: Guardian Dog



Title: Boku no Mune ga Itakutemo - Glass



Title: Monster



Title: Renai Soukanzu

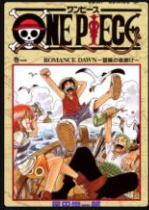


Title: Hito wa Ai wo Tabete Sodatsu

## Top 5 Most Rated!



Title: Boku no Hero Academia  
Average Rating: 85.04



Title: One Piece  
Average Rating: 84.85



Title: Kimetsu no Yaiba: Tomioka Giyuu Gaiden  
Average Rating: 84.84



Title: Kimetsu no Yaiba: Rengoku Kyoujurou Gaiden  
Average Rating: 84.82




Title: SPYxFAMILY  
Average Rating: 84.82

## Easy Read Manga Anytime and Anywhere




## Top 8 Popular Manga!







**Boku no Hero Academia**  
Popularity Rank: 1  
User Count: 171072




**Tokyo Ghoul**  
Popularity Rank: 2  
User Count: 159436




**One Piece**  
Popularity Rank: 3  
User Count: 142035




**Attack on Titan**  
Popularity Rank: 4  
User Count: 134210




**One Punch-Man**  
Popularity Rank: 5  
User Count: 118316




**Death Note**  
Popularity Rank: 6  
User Count: 98425




**Kimetsu no Yaiba**  
Popularity Rank: 7  
User Count: 89908



**Ansatsu Kyoushitsu**  
Popularity Rank: 8  
User Count: 79835




**Koe no Katachi**  
Popularity Rank: 9  
User Count: 72917

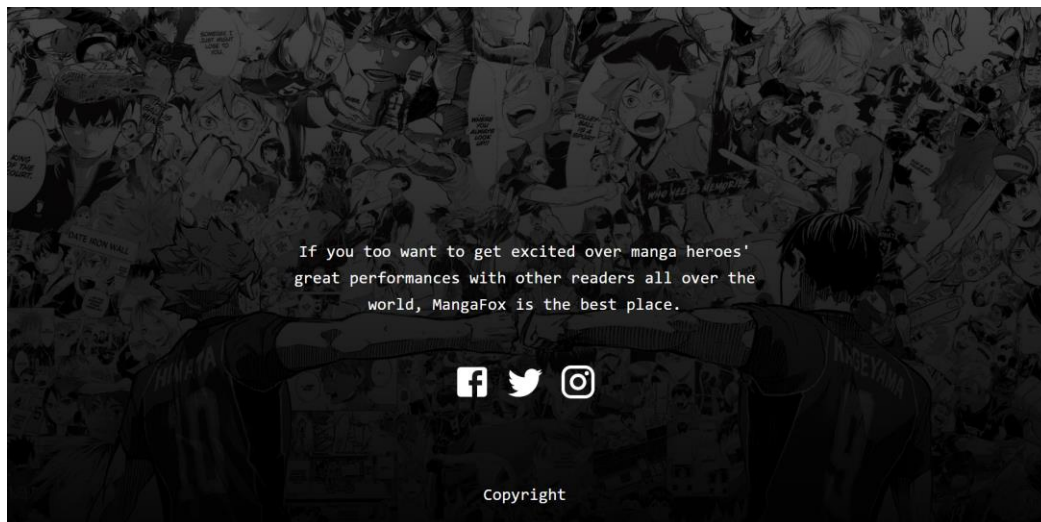


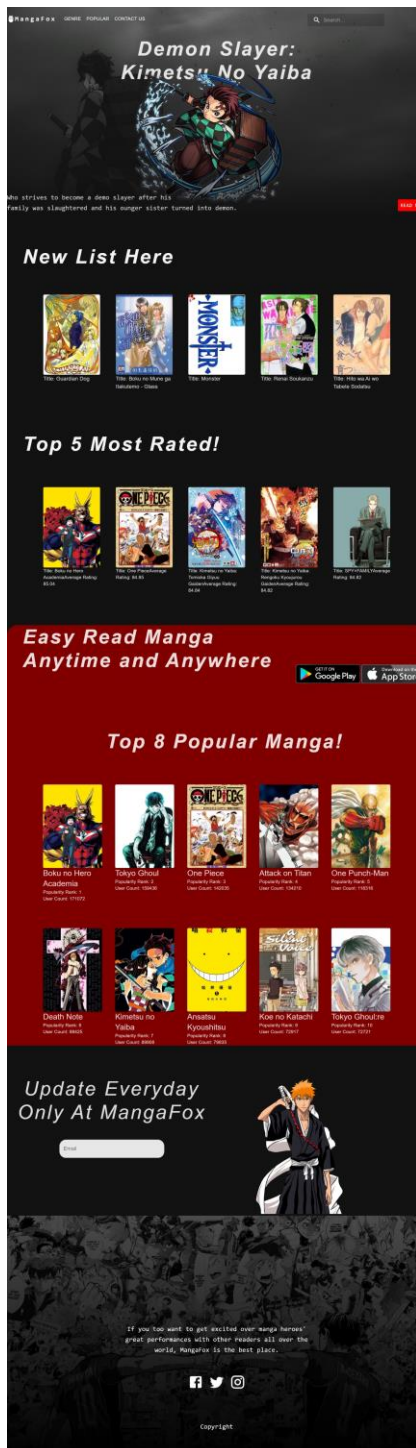
**Tokyo Ghoul:re**  
Popularity Rank: 10  
User Count: 72721

*Update Everyday  
Only At MangaFox*

Email







## ***Brief of all things done during the internship***

### ***1. January***

- *New Mentors were assigned*
- *Started with Javascript course on udemy.*
- *Performed various tasks regarding javascript during learning*
- *Did two mini projects during this process (Mapty and Guess number) and showed it to my mentor and got a go ahead for diving into React js.*

### ***2. February and March***

- *Started with React js course on Udemy*
- *In the meantime me and two more project trainees were assigned to create for Zapcom Wiki pages using React js and Material UI.*
- *New Mentor was Assigned and I was given task to create a project (Moviefy) .*
- *Along with React js , I also started with learning the backend tech that is Node js , Express js Mongo Db, learning about api calls.*
- *Implemented the project first using react bootstrap, but since UI wasn't good enough , I was told to use Material UI*
- *Implemented some basics of redux and also worked around with a new concept of debouncing and implemented that too.*
- *In Mid March had to learn AWS cognito and make a sign in sign out page using it and then gave a demo to the vivavoyage team .*
- *Had knowledge training session , and also setting up Linux and also setting up the code on my system.*

### **3. April**

- *Made the sign in / sign out page UI, which was done using Aws Cognito , look better and also added new functionalities which used Aws Cognito capabilities.*
- *Had KT session regarding my tasks*
- *Learning MYSQL and also understanding the code and researching docs of Pay360*
- *Added some more functionalities to the moviefy app*
- *Had presentation and demo to the senior managers of the company*
- *Resolving the task issues and then finished my task which was regarding Payment Page for UK.*

### **4. May**

- *Started learning Github from Linkedin*
- *Also Started to learn Firebase and even Typescript*
- *Got another regarding UI of Vivavoyage project but for US , UK and Israel .*
- *Had to set the code and resolve set up issues and aslo gitlab issues.*
- *Finished the UI Tasks*
- *Was assigned to help out and fix the UI another project trainee's project.*
- *Started and finished the Anime UI website which was assigned to me by my mentor*

### **5. June**

- *Got Shadow access to a client project*

## ***My Learnings***

### *LinkedIn Certificates:*

- *Agile Foundations*
- *Git Essential Training*
- *Express Essential Training*
- *Node.js Essential Training*
- *Git From Scratch*
- *WordPress Essential Training*
- *CSS Essential training*

### *Udemy:*

- *JavaScript*
- *React.js*

### *Learnings from other sources:*

- *Firebase Basics*
- *Material-UI (MUI)*
- *TypeScript Basics*
- *AWS Cognito*

## ***Platforms used for References***

1. *Udemy*
2. *YouTube*
3. *LinkedIn*
4. *Stack overflow*
5. *Various documentations sites*
6. *ChatGPT*