INDUSTRY TRAINING/INPLANT TRAINING/ INTERNSHIP REPORT

A report submitted in partial fulfillment of the requirements for the Award of Degree of

BACHELOR OF ENGINEERING / TECHNOLOGY

in

COMPUTER SCIENCE AND ENGINEERING

by

MANOJ RK

Roll No / Reg. No.: 21CS097

Under Supervision of

Mrs. Senthamarai K ,

Course Coordinator

Mahat Labs Private Limited,

36, Kaleedas Road, Ramnagar

Coimbatore Tamil Nadu 641009 .

(Period: 19/06/2023 to 04/07/2023)

KPR INSTITUTE OF ENGINEERING AND TECHNOLOGY
(Autonomous, NAAC 'A')
Avinashi Road, Arasur

COIMBATORE- 641 407

JUNE-2023

KPR Institute of Engineering and Technology

BONAFIDE CERTIFICATE

This is to certify that the "**Industry Training/ In-plant Training / Internship"** report submitted by **MANOJ RK(Roll No: 21CS097)**is work done by him and submitted during the academic year 2022 – 2023, in partial fulfillment of the requirements for the award of the degree of **BACHELOR OF ENGINEERING in COMPUTER SCIENCE AND ENGINEERING,** at **Mahat Labs Private Limited.**

Department IIPC Coordinator

Mr.Premkumar D
Department of Computer Science

Head of the Department

Dr.Yuvaraj N
Department of Computer Science
KPR Institute of Engineering and Technology
Coimbatore.

.

Place: COIMBATORE

Date:

INTERNSHIP CERTIFICATE

MAHAT

CERTIFICATE OF INTERNSHIP

This is to certify that Mr.MANOJ RK, from KPR Institute of Engineering and Technology Coimbatore, has successfully completed the Internship Program on the course "Mahat Citizen Developer" using Low code No code Platform conducted by MAHAT Labs Private Ltd., Coimbatore, from 19th June 2023 to 4th July 2023.

During the Internship period, the student gained familiarity and hands on experience in building a real time application. We are satisfied with the candidate's performance and would like to wish success for the upcoming career.

For MAHAT LABS PRIVATE LIMITED

Authorised Signatory

K.SENTHAMARAI

COURSE COORDINATOR

SINDUJA MADHUSUDHANAN

HR MANAGER

ACKNOWLEDGEMENT

First I would like to thank **Mrs. Senthamarai K ,Course Coordinator, Mahat Labs Private Limited** for giving me the opportunity to undergo an industry training within the organization.

I would also like to thank all the people who worked along with me in **Mahat Labs Privarte Limited** for their patience and openness in sharing knowledge they created for an enjoyable working environment.

It is indeed with a great sense of pleasure and immense sense of gratitude that I acknowledge the help of these individuals.

I am highly indebted to our Chairman **Dr. K.P. Ramasamy**, our Chief Executive Officer **Dr. A. M. Natarajan** and our beloved Principal **Dr. M. Akila** for the facilities provided to accomplish this internship.

I would like to thank my Head of the Department **Dr. Yuvaraj N** for her/his supportive actions by permitting me for my internship.

I would like to thank **Dr. R. Kiruba Shankar**, Professor & Head IIPC, KPRIET for his support and advices to get internship and complete the same in above said organization.

I am extremely grateful to my department IIPC coordinator **Dr. R. Kiruba Shankar**, faculty members and friends who helped me in successful completion of this internship.

MANOJ RK

Abstract

• This internship report contains all the details and daily activities that I have performed throughout the two week internship program at **Mahat Labs Private Limited**.The main objective of the internship was to learn about NO CODE APP DEVELOPMENT.

• In the first week of internship I was introduced to the Mahat DIY platform and started exploring it's features and studios.

• Once the explanation was completed I was provided with various shadow projects which I completed during the first week.

• During Second week of internship I was taught how to add child process in the applications and practiced it with various creative projects.

• By the end of two weeks I had a clear understanding of the No code platform and I was able to create my own creative projects.

• All the mini projects that I have created during this Internship period has been added in this report.

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Chapter 1

About the Company / Organization

Mahat Labs Private Limited

- Mahat is the World's First Enterprise-Grade DIY Platform for App Development. Mahat Labs Private Limited (MLPL) is a Private Limited Indian Non-Government Company incorporated in India on 12 July 2020 .

- Mahat automates app-development right from the beginning: It allows users to configure the Business, Technology, and User Experience Architectures as contexts.

- Current low/no-code platforms only reduce the accidental difficulty of app development by replacing code inputs with visual inputs, unable to break the 10x barrier. Mahat directly reduces the essential complexity of app development, improving speed, simplicity, and quality.

- Its subject-oriented automation of routines (SOAR) allows developers to create apps by making subject-level requests, rather than object-level instructions, eliminating the need for app development knowledge or skills.

- Mahat is ideal for tech-savvy small and medium businesses, startups, and enterprises looking to increase their speed and simplicity of app development while maintaining high quality. It is also suitable for developers looking to increase their productivity and efficiency.

Chapter 2

Plan of your internship program

- The main objective of the internship was to introduce interns to the No code App development platforms by implementing real time projects.

- On the very first day the Software Development Cycle was explained as it plays a vital part in application development.

- Followed introduction to the Mahat DIY platform was the main focus which was followed by the explanation of various options available in the DIY platform.

- On the first week of internship to gain practical knowledge and experience few shadow projects were provided which we had to execute step by step.

- During the second week I was taught how to add multiple child process in the application and created five creative projects.

- Once Creative projects were completed I was assigned with a final project and the final review was conducted.

WEEKLY OVERVIEW OF INTERNSHIP ACTIVITIES

	DATE	DAY	NAME OF THE TOPIC/MODULE COMPLETED
1st WEEK	19/06/23	Monday	Introduction to Internship
	20/06/23	Tuesday	Understanding Mahat DIY Platform
	21/06/23	Wednesday	Building Blocks of an Application
	22/06/23	Thursday	Creating 5 projects on given templates,
	23/06/23	Friday	Idea Generation with project titles
	24/06/23	Saturday	Choose min 5 projects from the finalized list and create projects using Mahat DIY Platform

	DATE	DAY	NAME OF THE TOPIC/MODULE COMPLETED
2nd WEEK	26/06/23	Monday	Completing the projects.
	27/06/23	Tuesday	Capstone Projects
	28/06/23	Wednesday	Developing Capstone Projects
	30/06/23	Friday	Recording Errors, Time sheet preparation with breakup slots.
	01/07/23	Saturday	Presentation and Review of completed projects
	03/07/23	Monday	Conclusion of Internship Program

Chapter 3

Training Task

- The main objective of the internship was to introduce interns to the No code App development platforms by implementing real time projects.

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- On the first week of internship to gain practical knowledge and experience few shadow projects were provided which we had to execute step by step.

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- Once Creative projects were completed I was assigned with a final project and the final review was conducted.

- Firstly there was an Idea Generation session to explore and find exciting app ideas, the task was to come up with five creative project ideas.

- It was very much interesting to explore some new app ideas by browsing the internet and with our creativity.

- My Creative project ideas were Travel Planner ,Fitness App, Mental Health Application , Personal Finance Manager and Language Learning Application.

- **Mahat DIY:** The Next-gen Low-Code Platform Mahat is the world's first enterprise-grade DIY platform for app development, enabling users to custom-build applications to meet their exact needs within the time

- it would take to customize ready-made applications and at a lower cost than either option.

- With Mahat, users can build Transactional Business Applications in four business categories covering a wide range of usecases.

- Mahat Dream Studio: The process of platform-assisted requirement gathering is already the process of development with Mahat.

- Users input business requirements for applications directly on the platform in simple business terms, and Mahat assists with selections including application type, business model, architectural choices, and UX framework. This results in the creation of 30% of the application.

Mahat Advantages:

- Current low/no-code platforms only reduce the accidental difficulty of app development by replacing code inputs with visual inputs, unable to break the 10x barrier.

- Mahat directly reduces the essential complexity of app development, improving speed, simplicity, and quality.

- Its subject-oriented automation of routines (SOAR) allows developers to create apps by making subject-level requests, rather than object-level instructions.

- eliminating the need for app development knowledge or skills

Low Code No Code

- Gartner estimates that by 2025, 70% of new applications developed by enterprises will use no-code or low-code technologies, which means an increase from 2020, where the percentage said 25%.

- This low-code no-code trend was not as popular a few years back, just as the study mentioned above noticed.

- Companies had two options: they could build their own systems in-house or hire an external team to do the work for them.

- But this can get pretty expensive.

- However, the third option, which is a low-code or no-code platform, gained momentum and showed a lot of potential in the last few years. This alternative helps teams implement a project quickly and at a much lower cost.

- Still, there are some confusions when choosing between low-code and no-code platforms.

Project ideas:

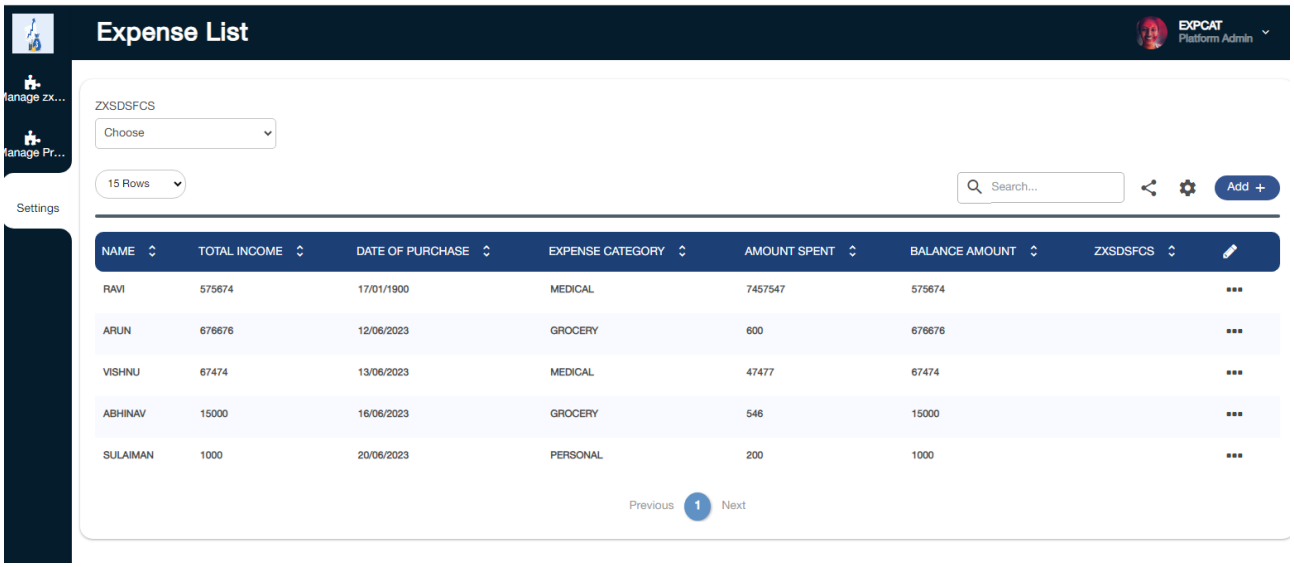
1) Matrimony app
2) Real estate
3) Health app
4) News app

Scenario: The Matrimony app allows users to create a profile, search for compatible matches, and send messages to potential partners. Users can also view photos and videos of other users and share their own. The app offers a range of features, including astrological compatibility, location-based search, and privacy options. To use the app, users must create an account and enter their personal information.

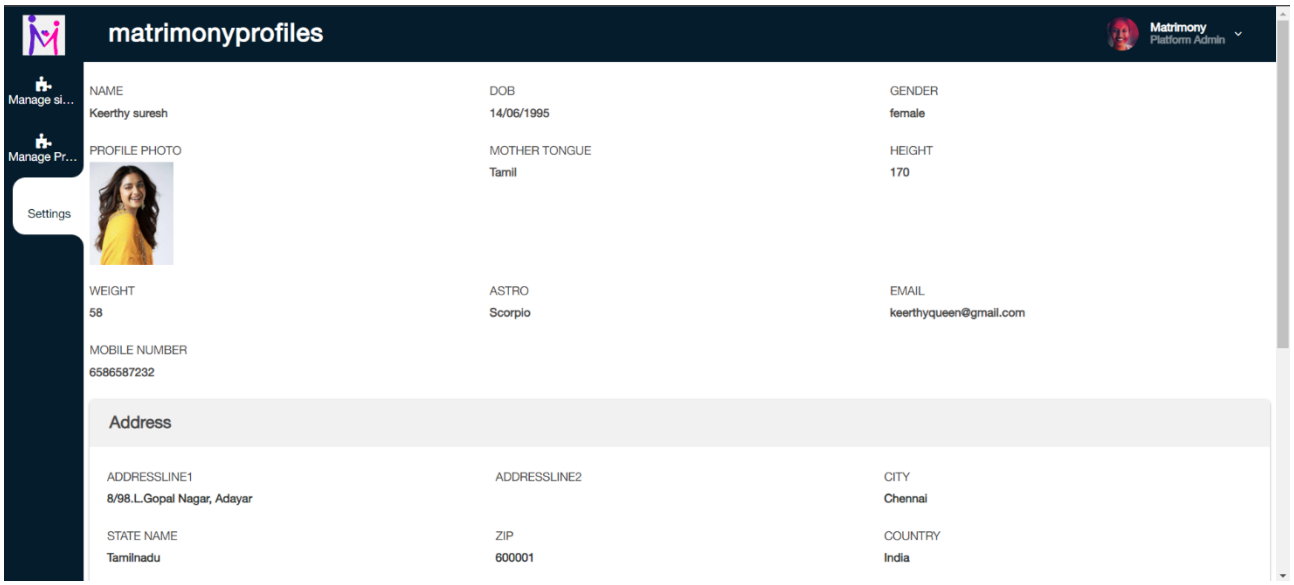
Why: Matrimony apps provide a platform for people to connect with potential partners who share similar interests, values, and beliefs. It can be challenging to find a suitable partner through traditional methods like family and friends, especially in today fast-paced world. A Matrimony app makes it easier to search for compatible matches based on your preferences, location, and other criteria.

Who: Anyone who is looking for a partner can use Matrimony apps. These apps are designed to help people find compatible matches based on their preferences, location, and other criteria. Matrimony apps are popular among people who are busy with work or other commitments and don't have the time to search for a partner through traditional methods like family and friends.

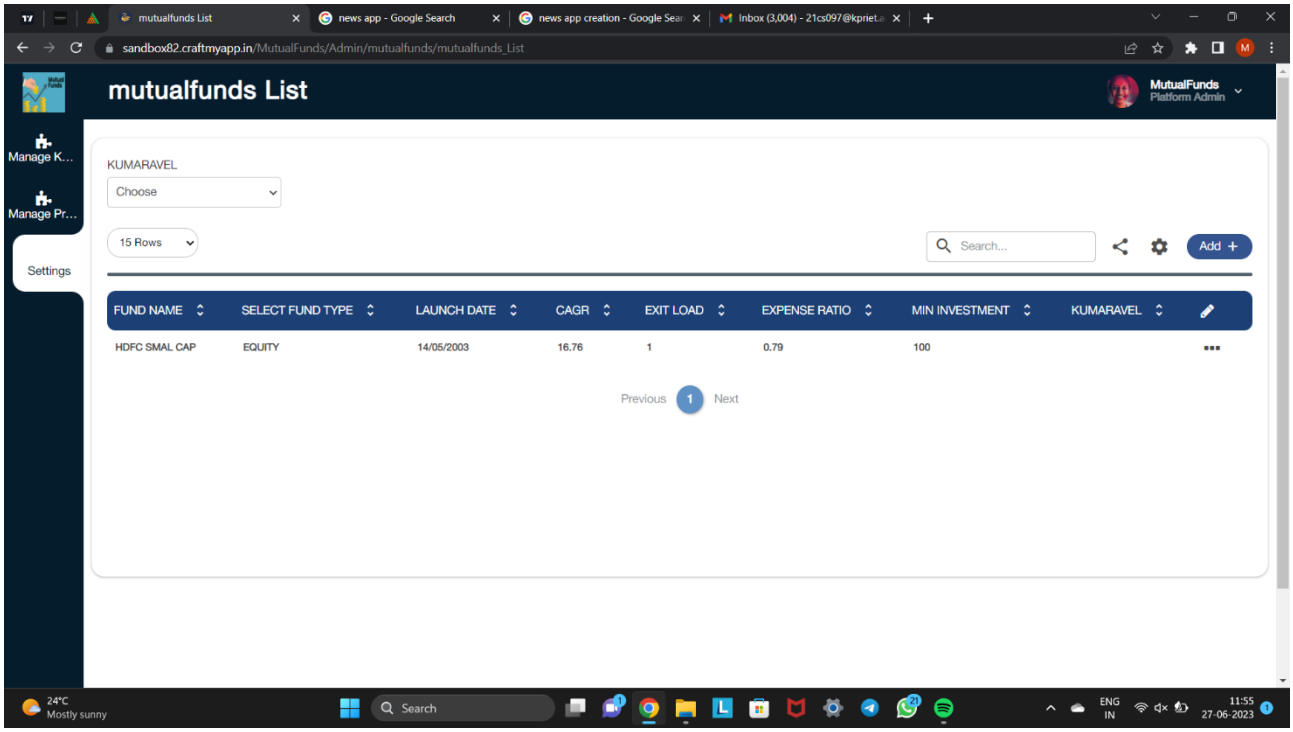
Shadow Project: Expense Manager:



Creative Project: Matrimony App



- As the final project we were provided with Capstone project titles and had to complete the project as a team of four members.
- With the knowledge and skills gained we were able to complete the final project with multiple child processes.
- It was a very motivating session for the team members to finish project before the deadline.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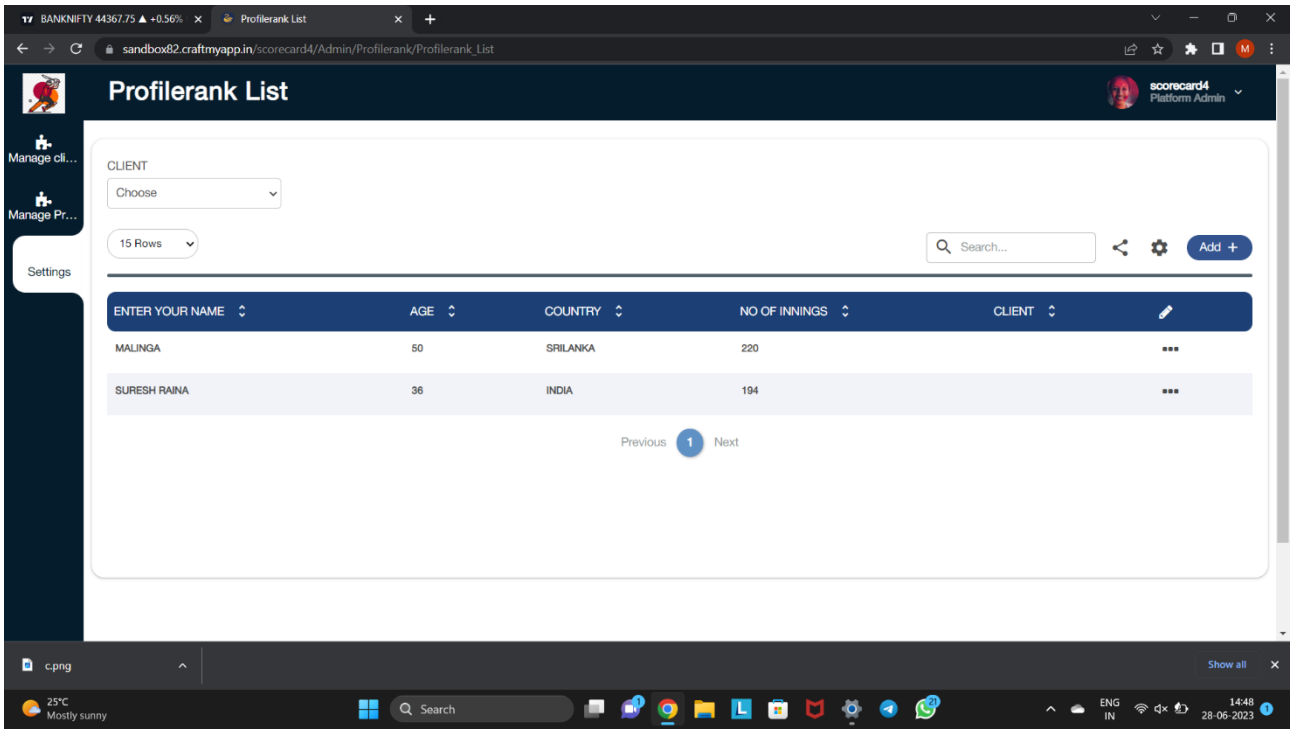
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Studios

1. Visual Interface Builder: Drag-and-drop interface for designing and structuring application layouts.

2. Pre-built Templates: Library of pre-designed templates for various application types (e.g., web, mobile) to accelerate development.

3. Data Modeling: Tools for creating and managing data models and databases without writing complex code.

4. UI Component Library: Collection of pre-built UI elements (buttons, forms, tables, etc.) that can be customized and used in applications.

5. Workflow Automation: Ability to create and automate business processes by defining workflows and triggers.

6. Integration Capabilities: Pre-built connectors or APIs to integrate with external services, databases, or systems.

7. Form Builders: Tools to design and build data input forms with validation rules and logic.

8. Logic Builders: Visual interface for defining application logic and behavior using conditional statements, loops, and functions.

9. Drag-and-Drop Functionality: The ability to add and arrange elements on the screen using a simple drag-and-drop mechanism.

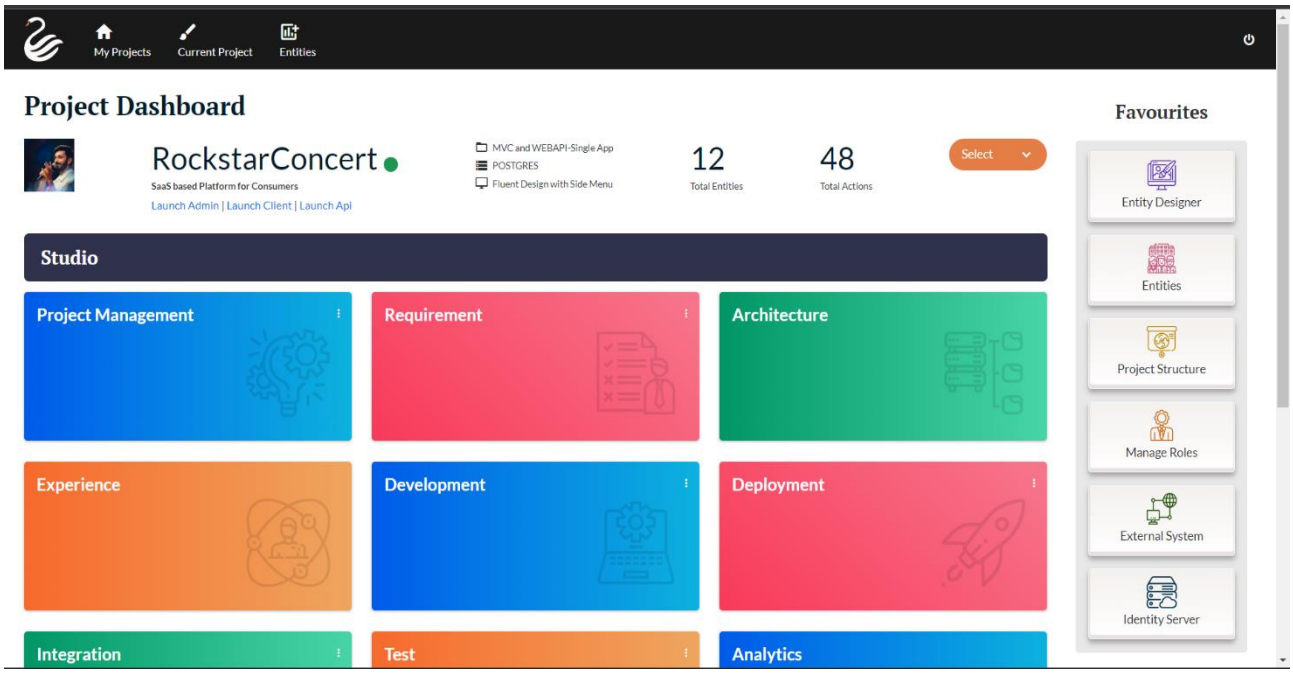
10. Responsive Design: Support for creating applications that adapt to different screen sizes and devices.

- During the process of final project development team members had to fill the Timesheets with details about the progress of the project with timestamps.

	A	B	C	D	E	F	G	H	I
1	Sl.No	NAME	DATE	PROJECT	PROCESS	TASK	START TIME	END TIME	REPORT TO
2	1	Team06	30/06/23	Event planning	Understand the prob	Discuss about the e	10.00am	11.00am	DIY Platform
3	2	Team06	01-06-23	Event planning	Discuss about the ent	We choose the enti	5.00pm	6.00pm	DIY platform
4	3	Team 06	02-07-23	Event planning	Creates the child	Create the 2 child a	11.00am	12.00pm	DIY Platform
5	4	Team06	03-07-23	Event planning	Creates the entities a	After entered entiti	10.00pm	11.00pm	DIY platform
6	5	Team06	03-07-23	Event planning	Discuss on errors	Rectify the errors a	2.00pm	3.00pm	DIY platform
7									
8									
9									
10									

Final Project: EVENT MARKETTING

1.



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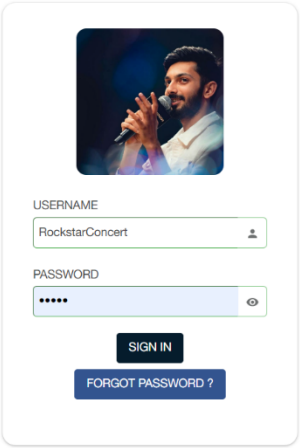
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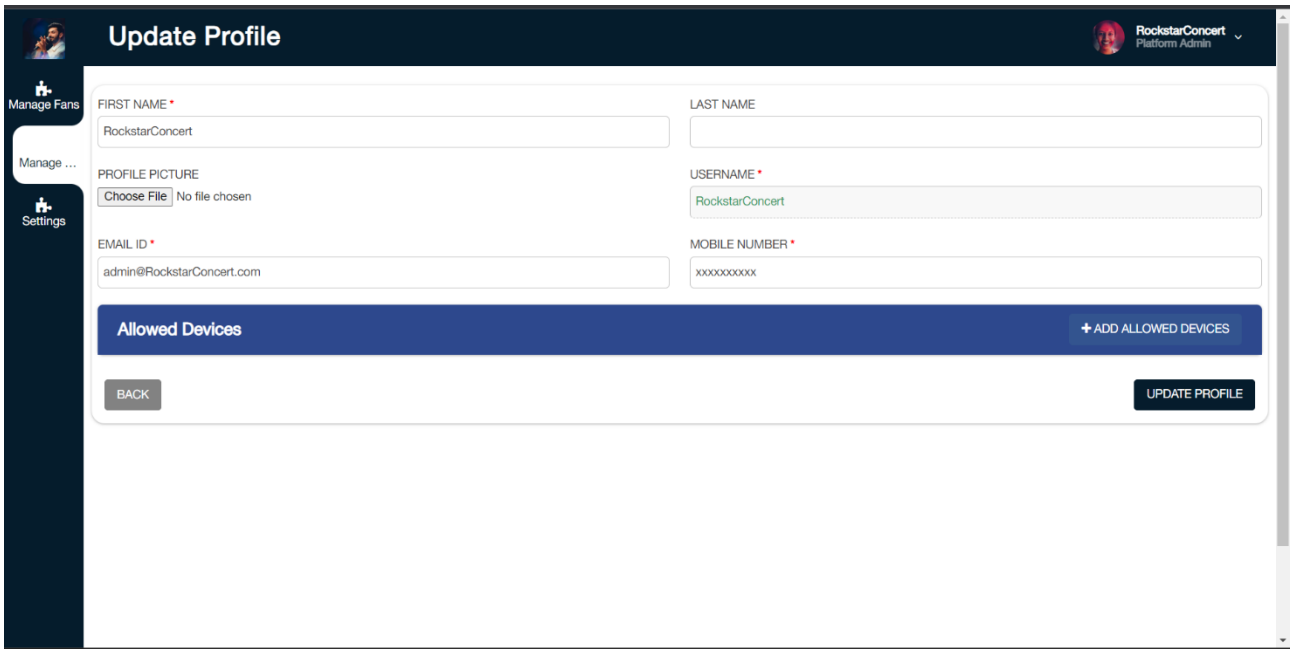
Update Profile
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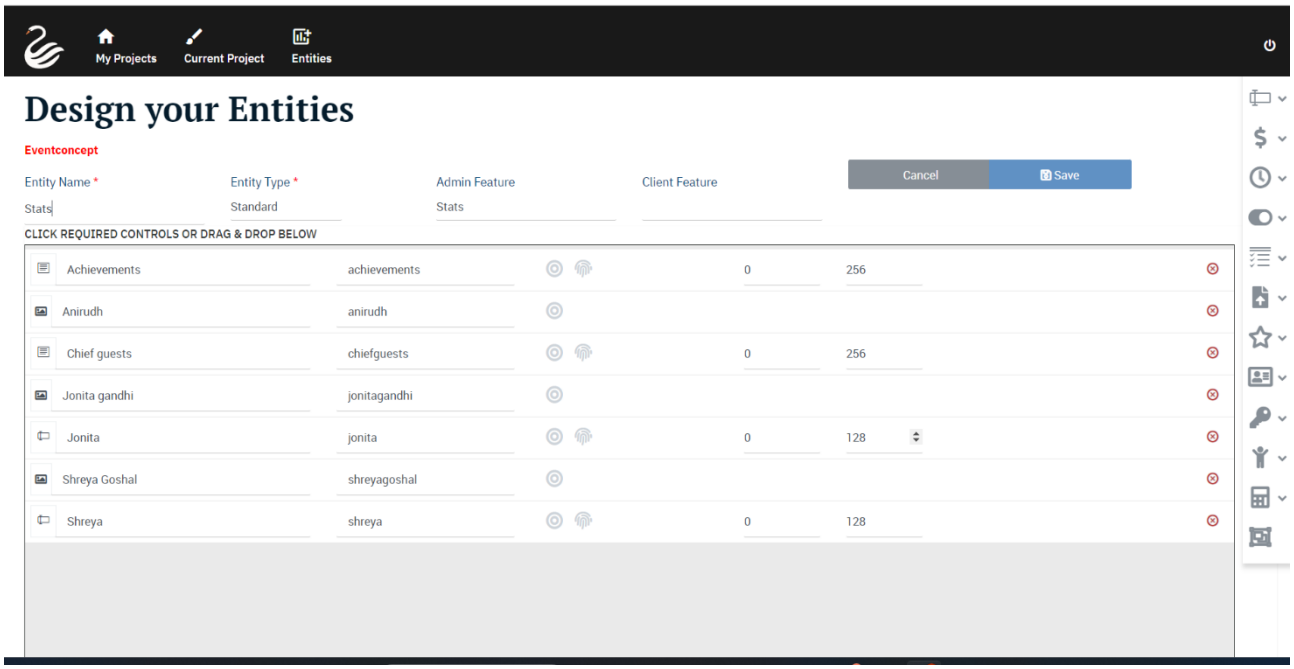
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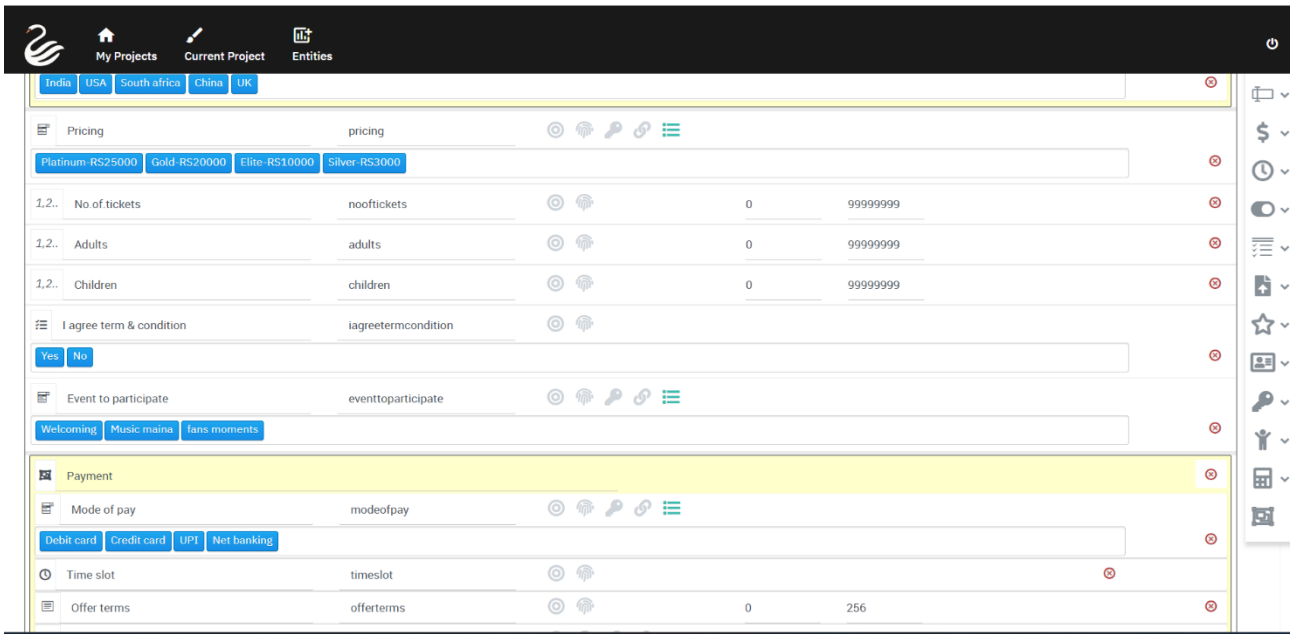
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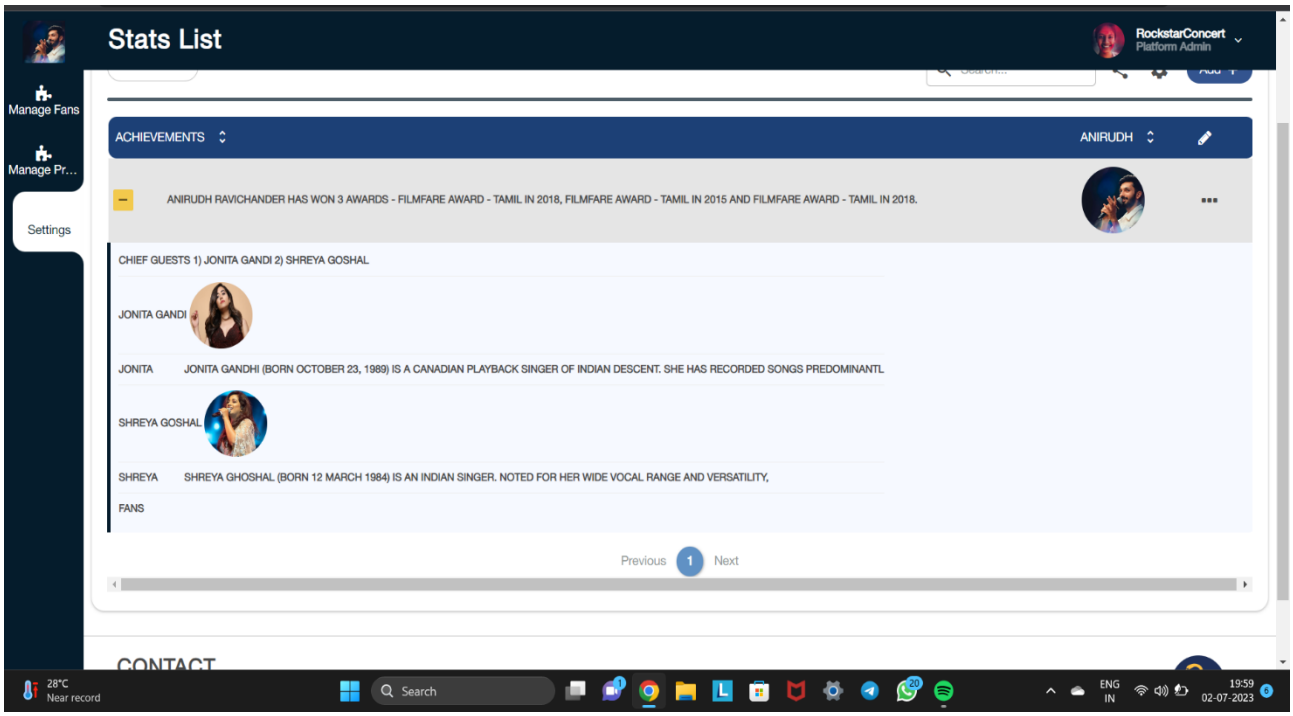
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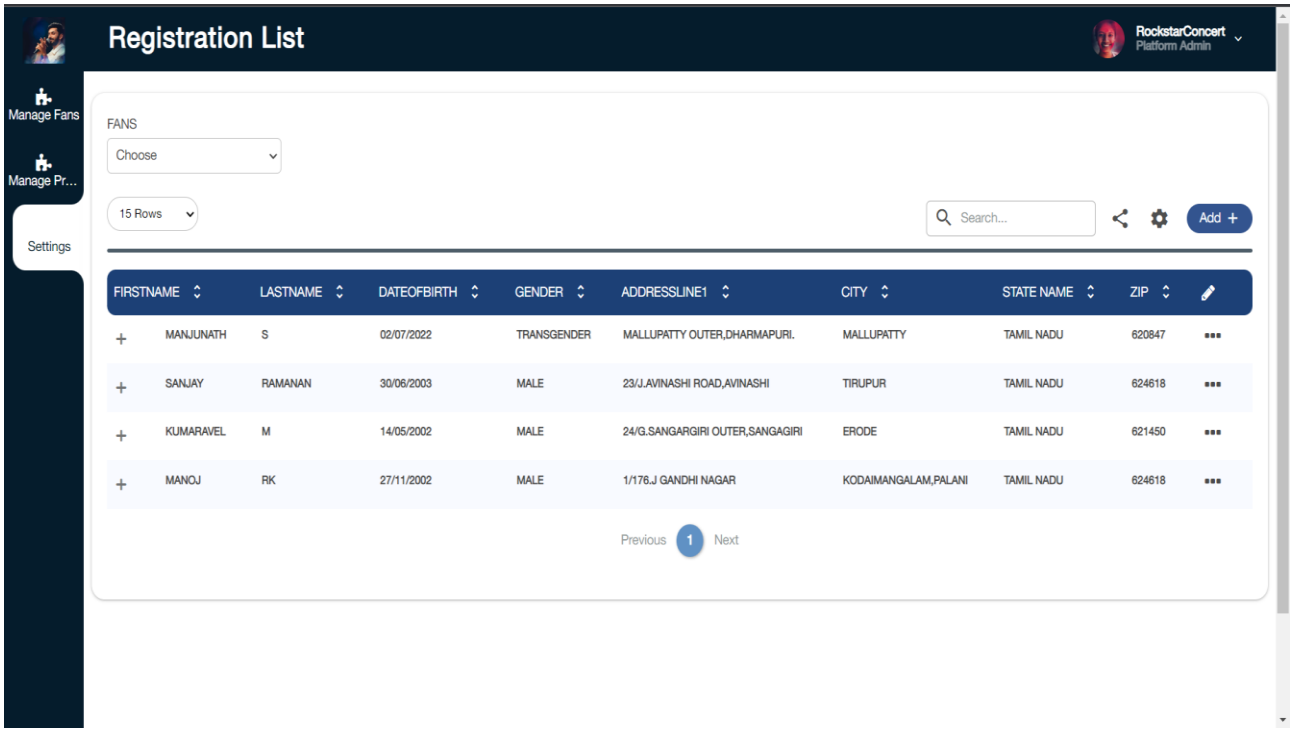
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SANJAY RAMANAN 30/06/2003 MALE 23/J.AVINASHI ROAD,AVINASHI TIRUPUR TAMIL NADU 624618
KUMARAVEL M 14/05/2002 MALE 24/G.SANGARGIRI OUTER,SANGAGIRI ERODE TAMIL NADU 621450
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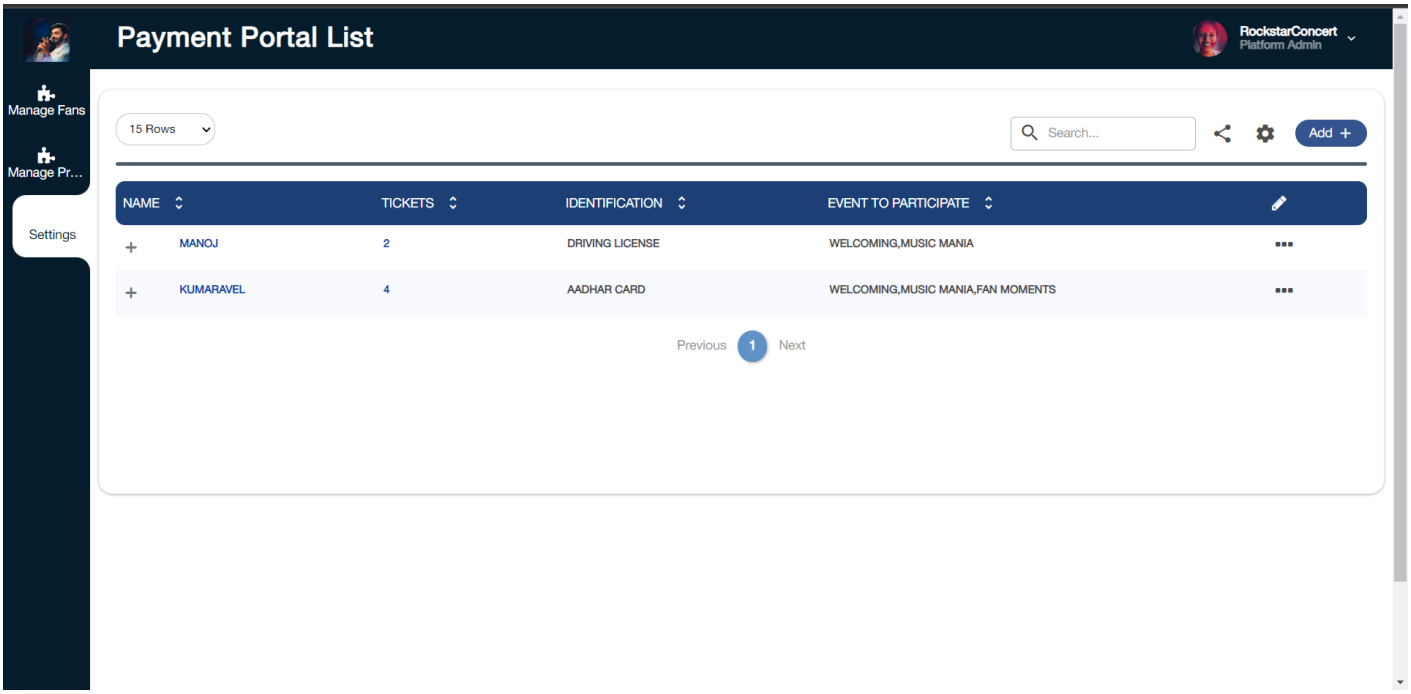
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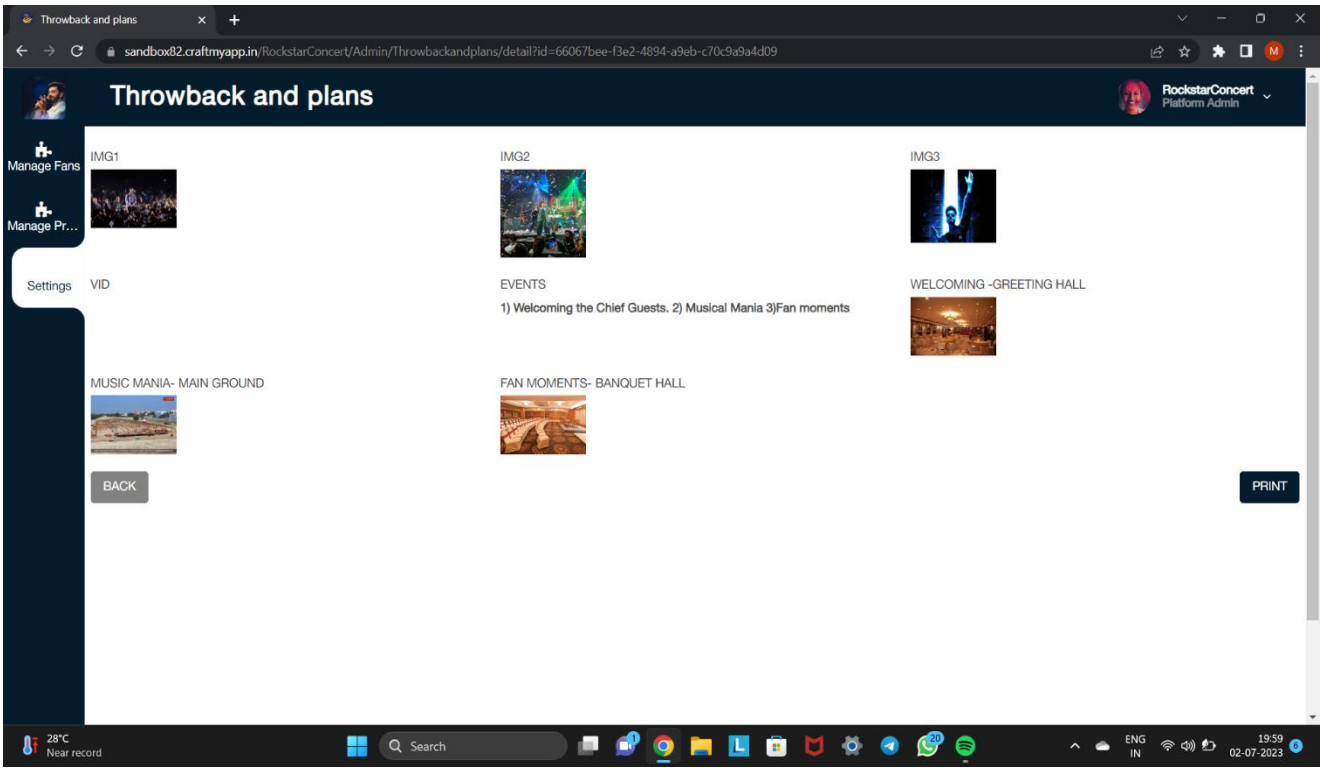
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Chapter 4

Conclusion

- The two week Internship program on Full Stack Development was very useful for me for beginning my journey towards No code App Development. It was very helpful for me to improve my skills and knowledge.

- By completing plenty of real time applications I have gained good understanding and skills on the DIY platform.

- The overall experience of this Internship have given me a lot of exposure towards No code app development and I am grateful to all the staffs who have guided me throughout this Internship.

- As a final outcome I have gained the hands on experience to work with the no code low code platforms.

- Overall Mahat Labs Private Limited was a good place for me to attend this two week internship on and it helped to enhance and develop my skills, abilities, and knowledge.