



**PC 641 -M.Sc. (IT) INTERNSHIP
INTERNSHIP PROJECT REPORT 2023**

Internship Start Date: Jan 01, 2023

Internship End Date: May 15, 2023

Mentor: Mr. Paras Shah

Company Details: 7th floor, The Link, Vijay Cross Rd, Navrangpura, Ahmedabad, Gujarat 380009

Submitted To: Dr Manish Khare

Submitted By: Karan Patel (202112074)

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Introduction

Integrella is a leading IT consulting firm that specializes in integration engines and app development. Our mission is to help businesses grow their IT capabilities around the world. With a team of experienced professionals, we offer a wide range of services, including IT strategy consulting, implementation, and ongoing support.

At Integrella, we understand the importance of seamless integration in today's digital landscape. That's why we work with our clients to develop customized solutions that meet their unique needs and goals. Our team is dedicated to delivering high-quality services that drive innovation, efficiency, and growth.

Whether you're looking to improve your current IT infrastructure or build a new one from scratch, Integrella has the expertise and experience to help you succeed. Contact us today to learn more about our services and how we can help your business thrive.

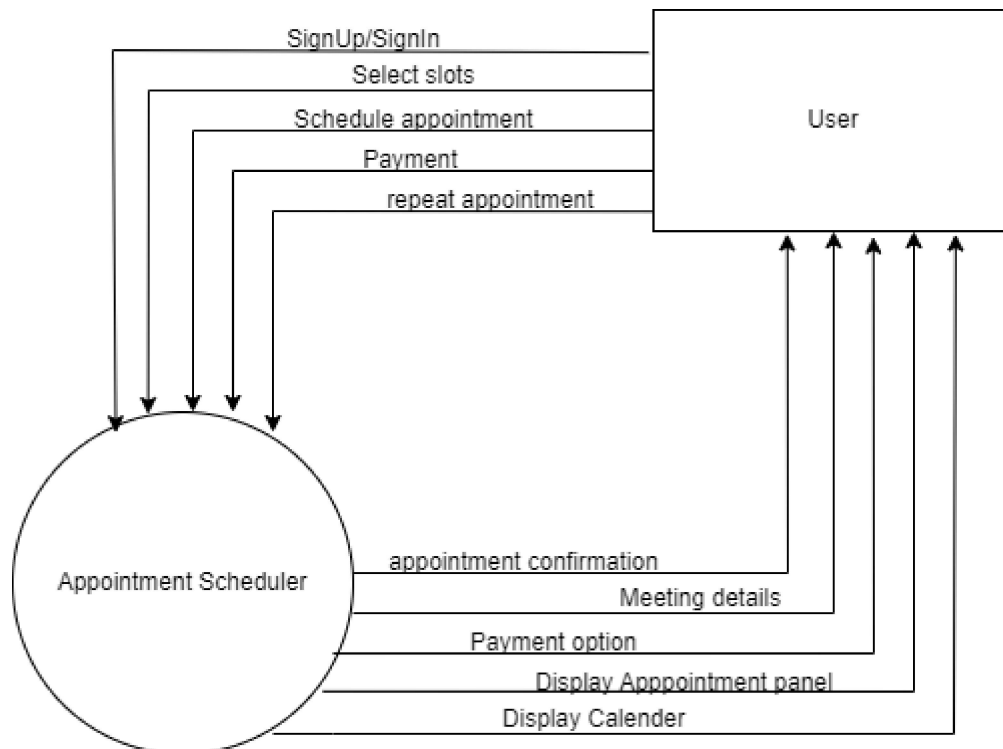
As a software developer intern at Integrella, I play a crucial role in the app development department. Working under the guidance of experienced developers, I am responsible for contributing to the design, development, and testing of software applications.

My daily tasks may include coding, debugging, and troubleshooting applications, as well as collaborating with other developers and stakeholders to ensure that projects are completed on time and to the highest standards. You may also be involved in researching new technologies and techniques to improve the company's development processes.

As an intern, I have the opportunity to learn from seasoned professionals in the field, gaining valuable experience and skills that will serve me well in my future career. I am encouraged to ask questions, take on new challenges, and contribute my unique perspectives and ideas to the team.

At Integrella, we value the contributions of all our team members, including interns. My work plays an important role in helping us deliver high-quality services to our clients and achieve our mission of growing IT businesses around the world.

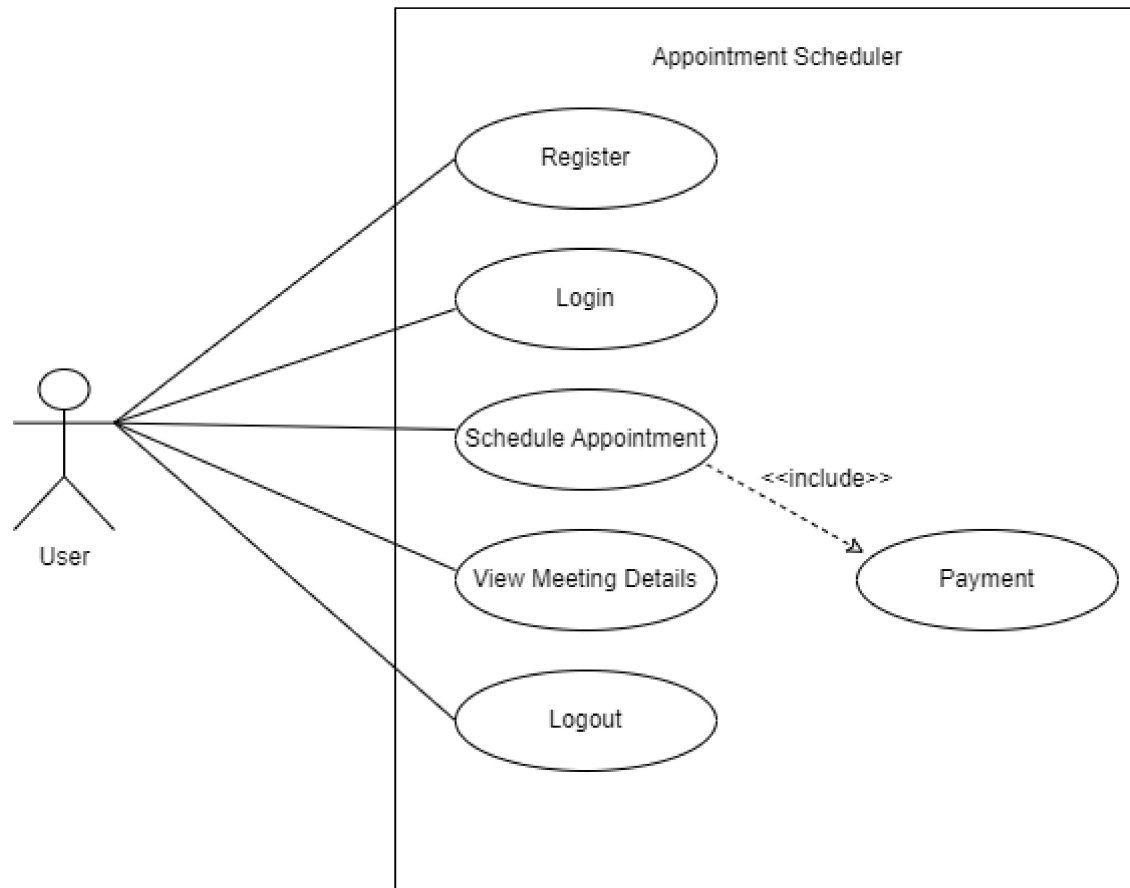
Context Diagram



Scope Statement

Since the scope of this appointment scheduler is a consultancy booking system that provides any user an easy way of booking an appointment online. Overcomes issues of managing & booking appointments accordingly to user's choice or demands. Reducing number of emails to be sent over to schedule a meeting.

USE-CASE Diagram



Programming Contribution

This app is developed using the MERN stack - an advanced appointment scheduler that streamlines scheduling processes for businesses and individuals alike.

This intuitive app provides users with a user-friendly interface that allows them to easily schedule appointments, view upcoming appointments, and manage their schedules. With features such as online payment and online meeting links.

The app is built on the MERN stack, utilizing the latest technologies in MongoDB, Express, React, and Node.js. This powerful combination allows for efficient data management and real-time updates, ensuring that users always have access to the most up-to-date information.

Tools & Technologies Used

- React JS
- Node JS (Express.js)
- MongoDB
- Razor Pay
- Zoom API

Testing Strategies and Reports

Test Environment Testing - Testing of Functionality on local environment to fix bugs and issues within local environment. Helps in the early phase of project to avoid bugs and issues later in the product.

PPE (Pre-Production Environment) Testing - Testing is done with all the constraints and rules to check if functionalities are working as per requirement before deploying it on the actual platform.

Production Testing - Testing is done on the actual platform to see all the functionalities are deployed successfully on the production environment. If bugs or issues are found, then patches will be created to resolve those bugs and error on production.

External Code Review - External Code reviews are done by the Senior Employees of the organization on the Business logic implemented in the project on certain durations. They Provide comments on the code and suggest some important modifications in the code.

Bug Bash - Bug Bash is done by the team members of the project. They all decide a time span of 2-3 hours for testing and distribute the modules among themselves. They put the issues or bugs in common one note file and tag the person who needs to analyze this.

Innovative Contributions

- Learned Design Patterns in React.
- Learned how to use different 3rd Party API's.
- Learned how to use Dev-Extreme Framework.
- Learned how to follow coding standards.

Lessons Learnt

- Learnt how to understand, debug and work on existing code which consists of various integrated technologies and libraries.
- Learnt various tools and technologies used in the project.
- To work in a professional manner.
- To be able to work in a team.
- Resolving merge conflicts.