



RENTING SYSTEM

Group 06

IT-314, SOFTWARE ENGINEERING, DA-IICT

Instructor : Prof. Saurabh Tiwari

Mentor: Kriti Joshi

Our Objectives

1

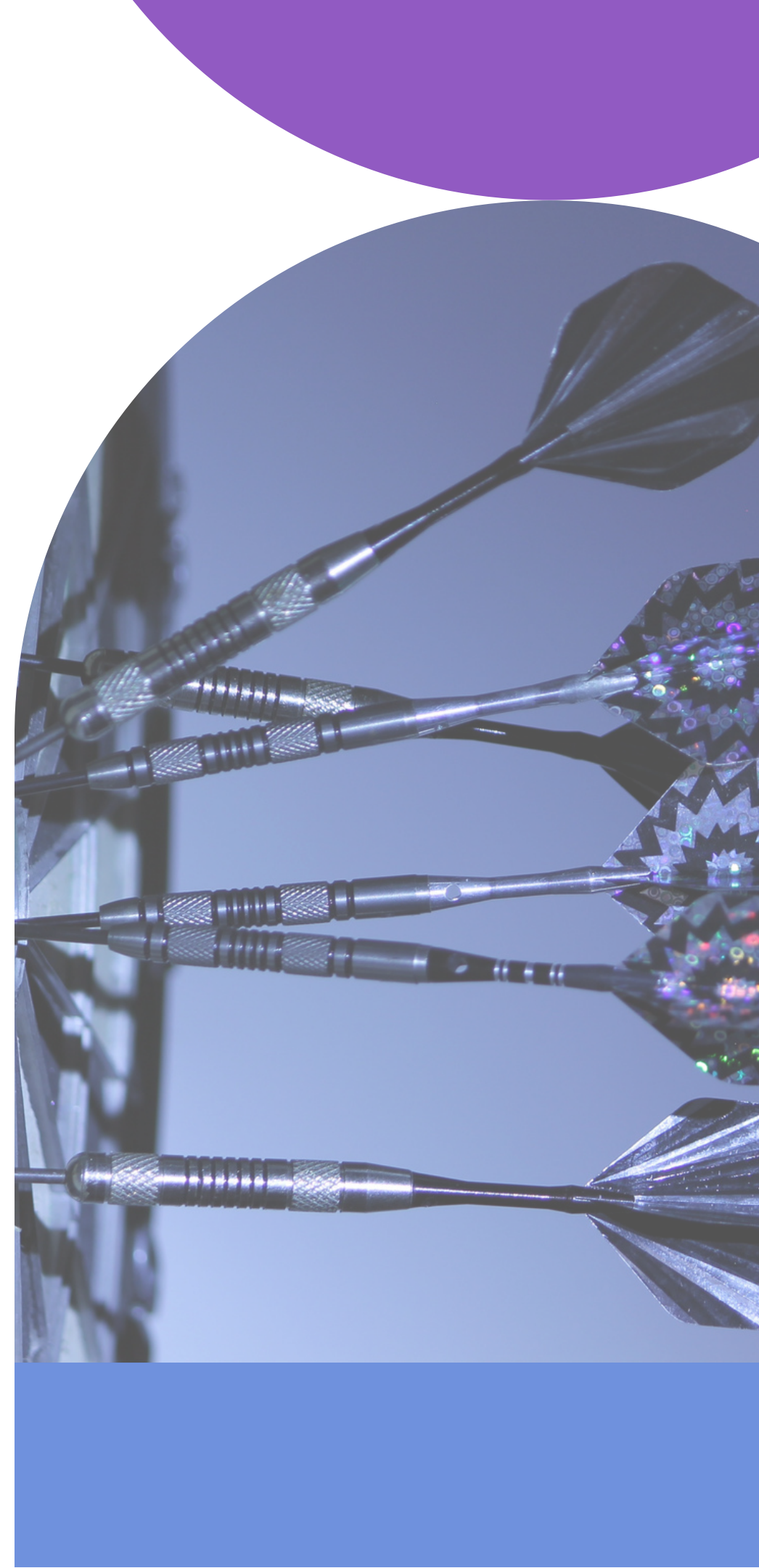
The main objective is to build an efficient system, where renting our possessions can be made easy.

2

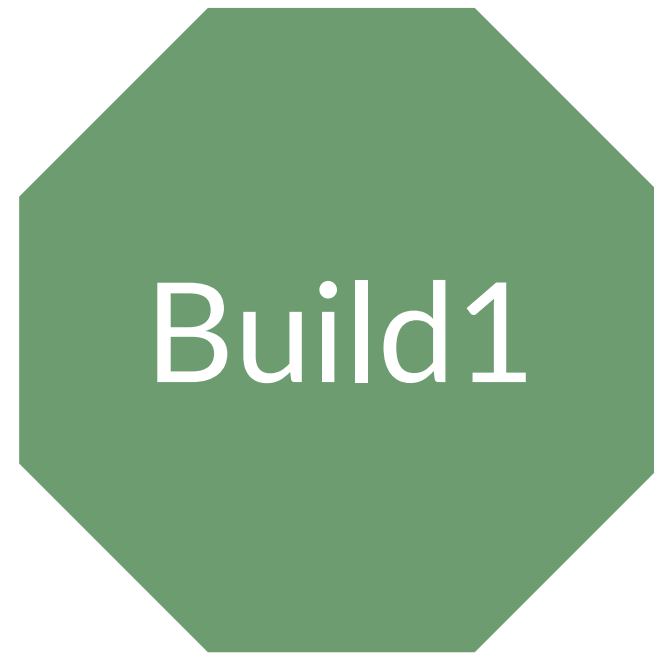
The second objective was to build an interactive system for both buyers and sellers with ease of use

3

The third objective was to prepare a system where seller information is in his own hands and does not get into the wrong hands.



Milestones



First of all the team members **learned the useful tools and technologies** for software development. Then we implemented **Schema Design & Basics Routes** till March ending.



After the mid-evaluation, we looked into the tasks for building a **user-friendly interface** for our website.



In the third build, we have **Fixed Errors**, did some **Schema Refinement** and implemented the **Advanced Routes**

Takeaways

Tools and Technologies

Github, Visual Studio Code, diagrams.net, Node.js, React.js, Firebase, MongoDB, Postman

Team Work

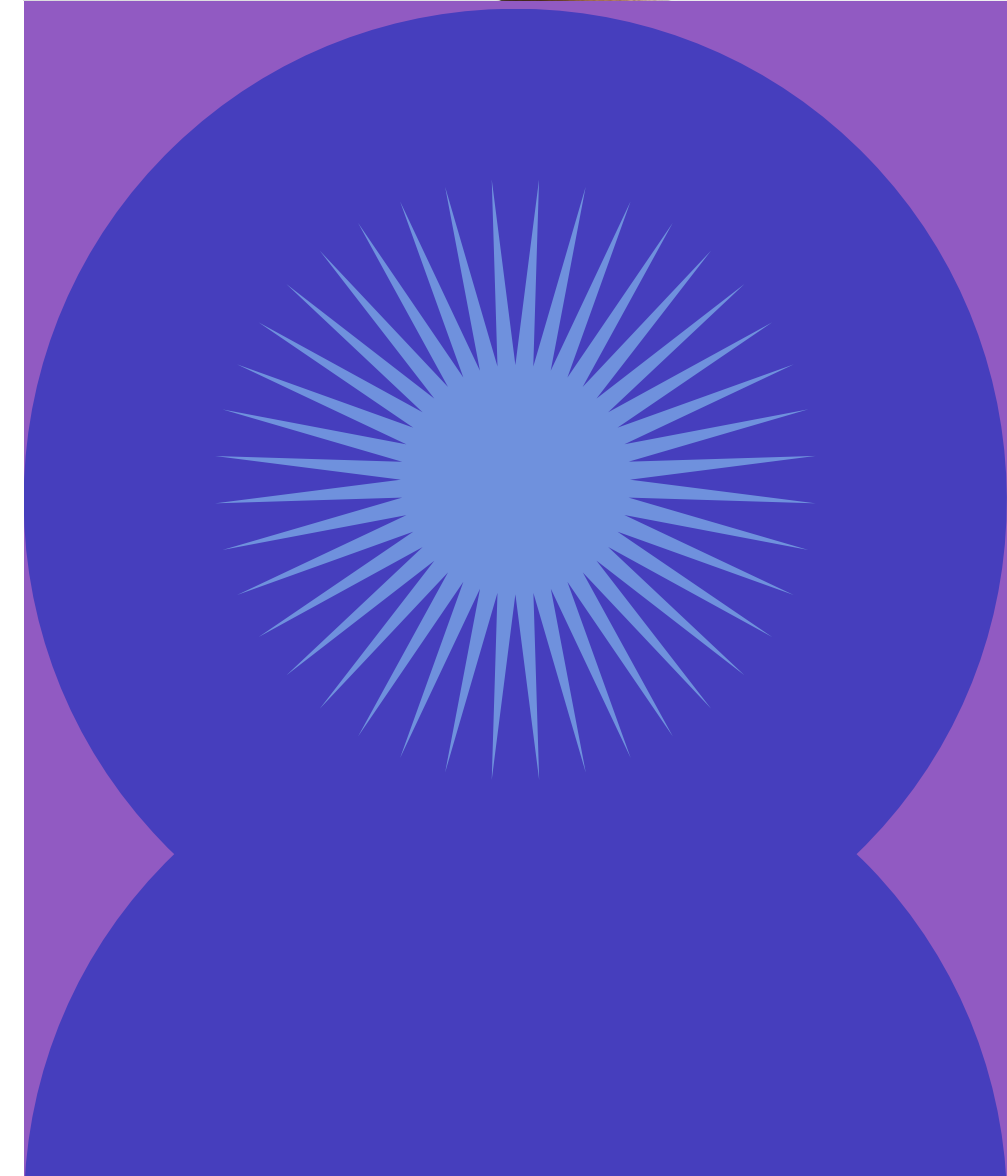
All the team members worked as team in the whole process of the course project

Real-World Project

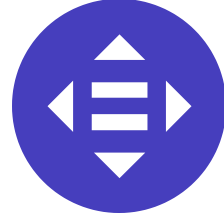
Learned different SDLCs that are great simulations for upcoming career opportunities.

Problem Solving Approach

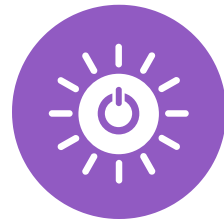
Acquired techniques and design methods will help look at the existing problems with distinct perspectives.



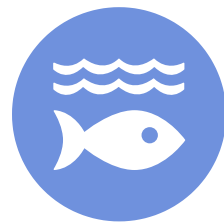
Achievements



Successfully implemented the renting system which we envisioned for and added all the features which we started with.



Successful interaction between the group members and coordinating our efforts to build a working system.



Not just learning, but implementing different technologies in this short span of time to pull off the tasks at hand.

Mistakes



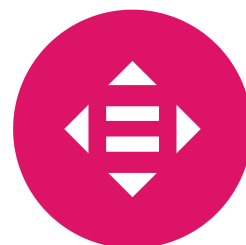
Mistake 1

The early approach was not parallelized, which decreased the throughput.



Mistake 2

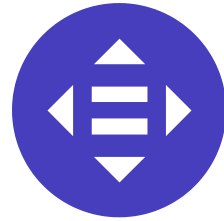
Getting started late with the coding part



Mistake 3

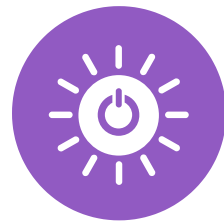
Didn't start frontend along with backend thus leading to coordination issues early on.

Rating for Software Artifacts



Code Artifacts

4 out of 5 since the code works without failure but there might be possible improvements



Project Management

4.5 out of 5 since every member in the group has contributed to the project in some way or the other.

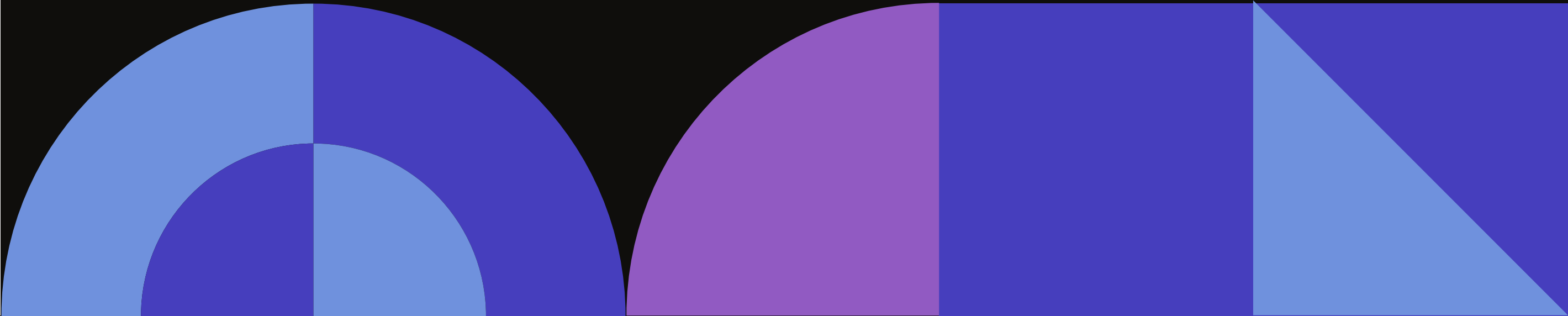


Documentation

5 out of 5 because of extensive research regarding the project and framed an elaborate document to describe our project.

Overall
Rating

9 OUT
OF 10



Assignment of Tasks

Prit Patel 201801261 (Project Manager)

- Document
 - Created Minutes of Meeting and Contribution Document.
- Backend
 - Setup Project and Buyer Authentication
- Frontend
 - Setup Project and Add Routes & Links in Website
 - Design Login & Signup Page and All product page for Seller and Buyer.
 - Design Add Product Page & Firebase Image Upload
 - Create API for Add Product, Manage Product, Delete Product.
 - Create API for My Order and Live order.
 - Create API for Seller Handle Request, getting sold products.

Dishant Goti 201801449

- Documents
 - Functional Requirements for both Buyer and Seller And SRS
 - Compiling All the documents on LaTeX
- Backend
 - Create and Implemented Product Schema
 - Get products, Get Categories for Seller API
- Frontend
 - Design Login and SignUp Page, Update Password API and GUI Testing(Manually)

Assignment of Tasks

Parth Santoki 201801257

- Document
 - Use Case Diagram, Activity Diagram for buyer and seller.
- Backend
 - Seller Authentication
- Frontend
 - Setup Project.
 - Design Profile Page, View Product, Contact Us Page for Seller and Buyer.
 - Design Buyer side pages like Checkout Page, My order, Live order page.
 - Design Seller side pages like Request handle Page, Sold Product Page, Manage Product Page.
 - Create API to get All products, get Category wise products, get buyer wishlist products, and Buyer request information.
 - Create API to Buyer Rent Order and get profile page details API.

Prayush Dave 201801021

- Documents
 - Requirements Elicitation
 - UseCase Description and UseCase Diagram.
 - Compiling SRS document.
- Backend
 - Routes for getting Categories page for Buyer and Get Products page for Buyer.
 - Routes for Add to Wishlist and MyOrders

Assignment of Tasks

Ritika Lakdawala 201801226

- Documents
 - Non-Functional Requirements of System
 - Use Case Diagram, Activity Diagram for buyer and seller.
 - Class/Object Diagram and Sequence Diagram for Buyer and Seller.
- Backend
 - Get request on product schema for buyer using id and category & Get request for seller on a product of all categories
- Frontend
 - Design My order and wishlist page and Design general card view
 - Design Help and FAQ page

Rishi Shivani 201801073

- Documents
 - Use Case Diagram, Activity Diagram for buyer and seller.
 - Class/Object Diagram and Sequence Diagram for Buyer and Seller.
- Backend
 - Create and Implement Order Schema
 - Create a route to get a Request from Order Schema on Seller and get an updated wishlist.

Assignment of Tasks

Mihir Doshi 201801152

- Documents
 - Use Case Diagram, Activity Diagram for buyer and seller.
 - Class/Object Diagram and Sequence Diagram for Buyer and Seller.
 - API Document - List of all API and related information
- Backend
 - Design Order Schema.
 - Create a route for accept/decline get and Post requests.
 - Create a route for Post Order, Decline Request for Seller.
 - Create a route to get the name of Buyer and Seller and get a message for Buyer.
 - Create a route to remove items from the wishlist.
 - Solved Object Passing Issue and Error handling.

Nilay Mendpara 201801124

- Documents
 - Use Case Diagram, Activity Diagram for buyer and seller.
 - Class/Object Diagram and Sequence Diagram for Buyer and Seller.
- Backend
 - Create Route to for put and delete request for seller product
 - Create Route to get all products and seller and buyer profile information.
 - Post request in product schema for the seller.

Assignment of Tasks

Utkarsh Asari 201801185

- Backend
 - Get request on order schema
 - Forgot Password Functionality.
 - Create, update and delete product

Rahul Chauhan 201801209

- Frontend
 - Design Category Page



Thank you!