

Greenbay



Presented by: Group 19

Agenda

Overview of today's
planning session

Team Members and
Contributions

About the project

Tech Stack

Project function

Our Website

Functional and non-
functional requirement

Testing



Team Members and Contributions

NIKHIL MISHRA(1901120)

- SRS Documentation
- Data Flow Diagram
- Implementation(backend-> login sigup api,setting up the mongoDB)
- System testing
- Presentation

NISHANT JAIN(1901122)

- SRS Documentation
- Data Flow Diagram
- Use case diagram
- Unit testing
- Implementation(Frontend-creating the cart page,sigup,signin)

RISHAB KEDIA(1901158)

- SRS Documentation
- Data Flow Diagram
- Implementation(backend-> add product,remove product,search api)
- Presentation
- System testing

SHIVA AGARWAL(1901186)

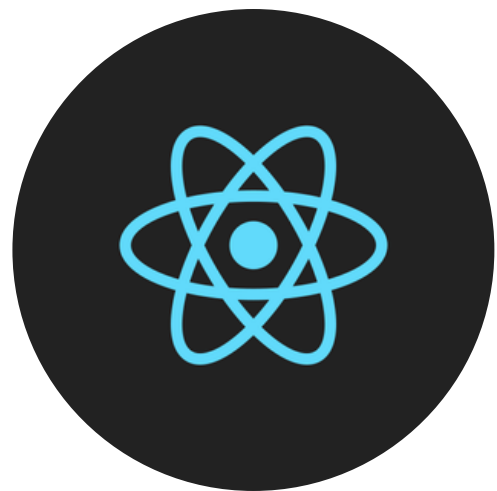
- SRS Documentation
- Data Flow Diagram
- Use case diagram
- Implementation(Frontend-creating the main page profile page)
- Unit testing

About the Project

A web application for Buy, Exchange, Sell of items. Aimed for a college environment where physical communication is very easy between sellers and buyers. Hence, can be used very effectively. For example, exchange of novels, buying second-hand books from seniors etc.



» Tech Stack



REACT JS



NODE JS



MONGO DB



JAVASCRIPT



CSS

Project Function



Our website provides a common platform for the sellers and the buyers where the sellers put up goods for sale. The buyer can find the best price for a particular item(our website will sort goods according to prices as well). By this, the buyers no longer need to keep moving from senior to senior looking for goods which he needs. He can buy them directly through our website and that too at the best price.

Existing System

- Fresher entering college has to face an initial period of hustle where he's confused as to where he can get all important goods required for his day to day life. He wanders around for stuff like books(required for his curriculum), drafters, calculators etc.
- Eventually after a long series of interrogations from various seniors when he finally buys those stuff only to realise that he has been fooled and he could have bought them at a much lower price from someone else. By the time this happens a month of college already withers away.
- At the same time when a guy moves from the 1st to the 2nd year there are a lot of things which become useless to him. For example- a guy in the 1st year needs bicycle which a 4th year student has no use of

Proposed System

This application promotes the reusability of used items by providing platform to students for following.

- User can post ad for Books, Laptop/Mobile , PG/Hostel and other stationery items.
- User can update his/her existing ad.
- User view other ads and get the product he/she is interested in buying.
- They can also apply filters depending on different criterias.
- Authentication facility is also provided.
- User can add products in his/her wishlisht.

Our Website

Sign-Up

 Sign In

 Cart

greenBay

Search Products...

SEARCH

Sign Up

Name

Enter name

Email Address

Enter email

Password

Enter password

Confirm Password

Confirm password

REGISTER

Sign-In

 Sign In

 Cart

greenBay

Search Products...

SEARCH

Sign In

Email Address

Enter email

Password

Enter password


SIGN IN

Don't have an account? [Sign up](#)

Main Page

Hi Rishab Kedia! ▾

You have 0 credits


 Cart

greenBay

Search Products...

SEARCH

Recently Added




Plush cat

★★★★☆ 1 review

115

CREDITS




Plush Hot Dog

★★★★☆ 1 review

115

CREDITS




Plush Rhinoceros

★★★★☆ 1 review

231

CREDITS



Sample name

☆☆☆☆☆ 0 reviews


0

CREDITS

My profile

Hi Rishab Kedia! ▾

You have 0 credits

 Cart



greenBay

Search Products...

SEARCH

My products

+ SELL PRODUCT

PRODUCT ID	SELLER ID	NAME	PRICE	CATEGORY	BRAND	
624147b1a6749100043a0b6c	6241444ea6749100043a0b6b	Sample name	\$0	Sample category	Sample brand	<div><div></div><div></div></div>

Edit profile

EDIT PROFILE

Name

Rishab Kedia

Email Address

rishab.kedia@iiitg.ac.in

Add/Edit Profile Picture

Enter image url

Password

Enter password

Confirm Password


Confirm password

UPDATE

Shopping Cart

Hi Rishab Kedia! ▾


You have 0 credits

 Cart

greenBay

SEARCH

Shopping Cart




Plush cat

115 credits

1

▴ ▾



SUBTOTAL (1) ITEMS

115.00 credits

PROCEED TO CHECKOUT

MongoDB

The screenshot displays the MongoDB Atlas web interface. The top navigation bar includes the MongoDB logo, a dropdown menu for 'RISHAB's Org - 2022...', and links for 'Access Manager' and 'Billing'. On the right, there are links for 'All Clusters', 'Get Help', and a user profile dropdown for 'RISHAB'. Below this, a secondary navigation bar shows 'Node and Express Cour...', 'Atlas' (selected), 'Realm', and 'Charts'. The left sidebar contains a 'DEPLOYMENT' section with 'Database' selected, and a 'DATA SERVICES' section with 'Data API' marked as 'PREVIEW'. Under 'SECURITY', there are links for 'Quickstart', 'Database Access', 'Network Access', and 'Advanced'. The main content area shows 'DATABASES: 2' and 'COLLECTIONS: 5'. A '+ Create Database' button is at the top. Below it, a search bar for 'NAMESPACES' is shown. The '03-TASK-MANAGER' namespace is expanded, showing 'products', 'tasks', and 'users' (selected). A 'Store' link is also visible. The right pane displays the '03-TASK-MANAGER.users' collection with statistics: 'STORAGE SIZE: 20KB', 'TOTAL DOCUMENTS: 1', and 'INDEXES TOTAL SIZE: 44KB'. It includes tabs for 'Find' (selected), 'Indexes', 'Schema Anti-Patterns', 'Aggregation', and 'Search Indexes'. An 'INSERT DOCUMENT' button is in the top right. A filter bar shows a filter of '{ field: 'value' }' with 'OPTIONS', 'Apply', and 'Reset' buttons. The 'QUERY RESULTS 1-1 OF 1' section shows a single document with fields: '_id', 'money', 'isAdmin', 'name', 'email', 'password', 'createdAt', 'updatedAt', and '__v'. A chat icon with a '2' notification badge is in the bottom right corner.

RISHAB's Org - 2022... Access Manager Billing All Clusters Get Help RISHAB

Node and Express Cour... Atlas Realm Charts

DEPLOYMENT Database Data Lake DATA SERVICES Triggers Data API PREVIEW SECURITY Quickstart Database Access Network Access Advanced

DATABASES: 2 COLLECTIONS: 5

+ Create Database

NAMESPACES

03-TASK-MANAGER

products tasks users

Store

03-TASK-MANAGER.users

STORAGE SIZE: 20KB TOTAL DOCUMENTS: 1 INDEXES TOTAL SIZE: 44KB

Find Indexes Schema Anti-Patterns 0 Aggregation Search Indexes

INSERT DOCUMENT

FILTER { field: 'value' } OPTIONS Apply Reset

QUERY RESULTS 1-1 OF 1

```
> {
  "_id": ObjectId("6241586dfdb02333ccf7d935"),
  "money": 0,
  "isAdmin": false,
  "name": "Rishab Kedia",
  "email": "rishab86515@gmail.com",
  "password": "$2a$10$CkHAJOJpw4wxjAfXn8LJgOcXwbbZ8WgZ5VpV1IiNYRNLeX2s//tmW",
  "createdAt": "2022-03-28T06:40:45.317+00:00",
  "updatedAt": "2022-03-28T06:40:45.317+00:00",
  "__v": 0
}
```




Functional Requirements

Seller

- upload items
 - >add description
 - >add single or multiple images for the item
 - >specify expected price
- manage uploaded items
- remove items / update status of items

Buyer

- search for items
- Give reviews to items
- Get seller information

Non-Functional Requirements

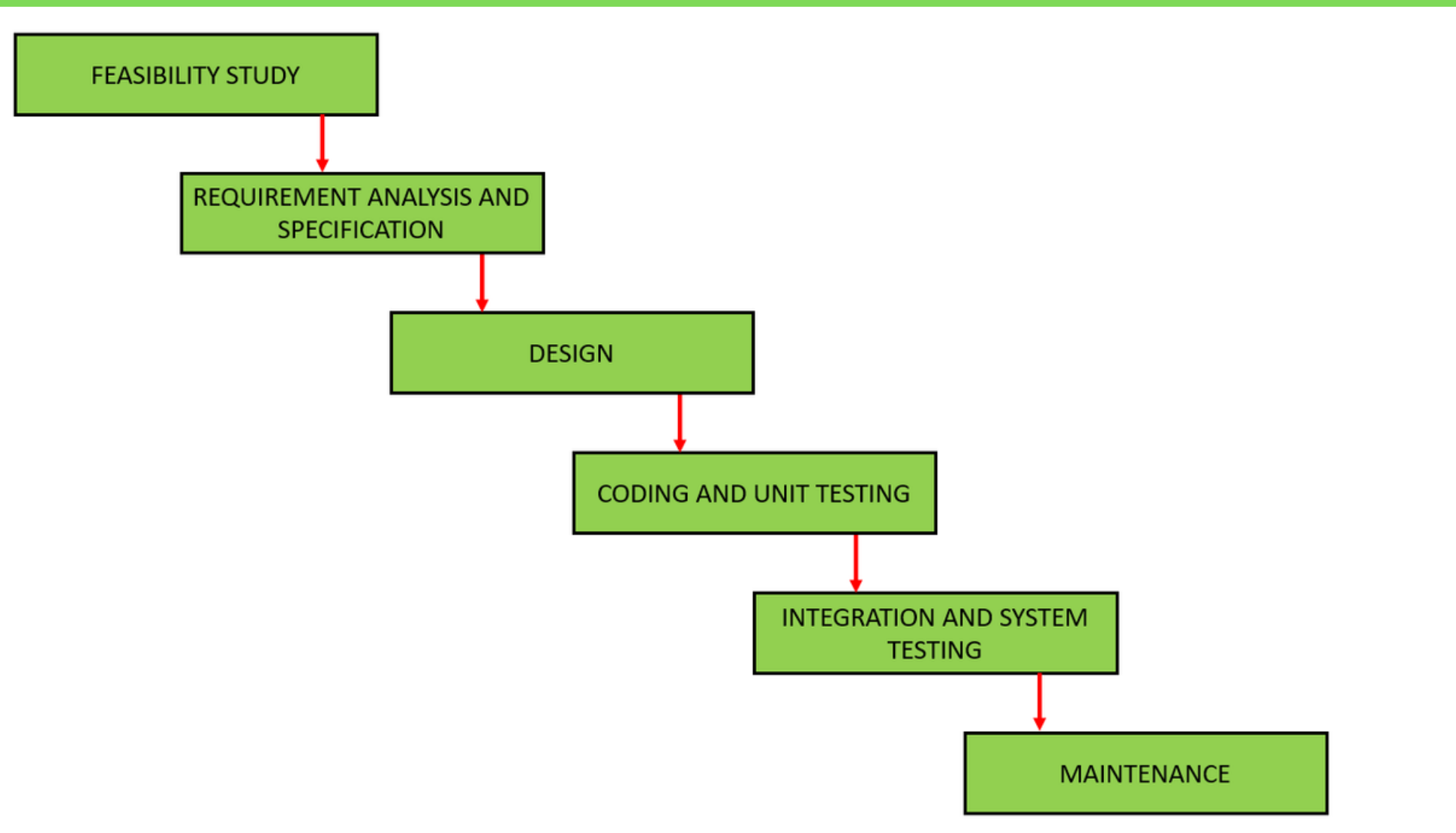
- Secure access to consumer's confidential data.
 - 24X7 availability.
 - Better component design to get better performance at peak time.
 - Flexible service based architecture will be highly desirable for future extension.
- Non-Functional Requirements define system properties and constraints. Various other Non-Functional

Requirements are:

- >Security
- >Reliability
- >Maintainability
- >Portability
- >Extensibility
- >Reusability
- >Compatibility
- >Resource Utilization

Waterfall Model

1. In the first Phase , We gathered all possible requirements of the system to be developed and finalized the tech Stack and created an SRS document.
2. In the Second Phase , We created a Data Flow Diagram and Use Case Diagram(Prepared System Design).
3. In the Next Phase (Implementation Phase) , We started implementing the website in small units. Each unit was developed and tested for its functionality simultaneously.
4. In the Next Phase (Testing Phase) , All the Developed units were integrated and tested manually.



Testing

Unit Testing :

We have tested many units in isolation to ensure each part of code is running smoothly. Unit testing is a white box testing technique and is done during developing phase. We have taken proper screenshots which is available in testing report.

System Testing :

We have implemented all the mentioned functionality in our app using different types of stateful, stateless widgets and functions. We have manually tested all the functionality of the app and below We are providing a drive link for your reference of manual testing which consists of all the required Screenshots.



GreenBay

Thank you!

If you have any questions.