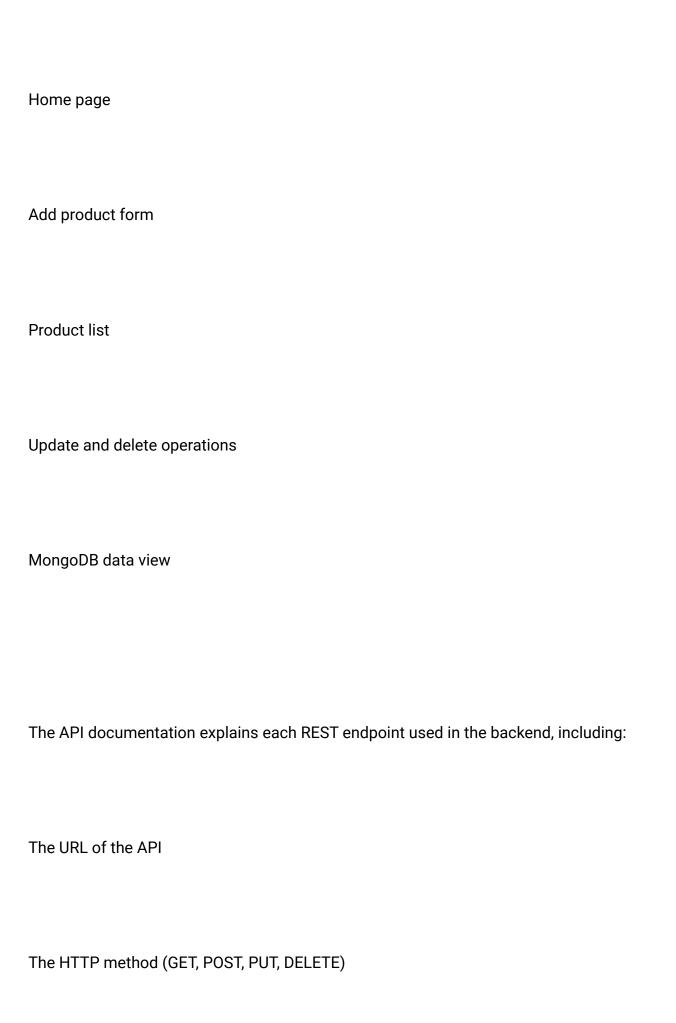


During the final demo, the student must show:
Adding a new product
Viewing product details
Updating product information
Deleting a product
Displaying all products from the MongoDB database
The demo proves that the system is fully functional and integrated.

2. Project Report
The project report is a detailed documentation of the system.
It explains how the project was developed, what technologies were used, and how it works.
It generally contains the following sections:
1. Introduction – Describes the objective and purpose of the project.
2. System Analysis and Design – Explains requirements, architecture, and data flow.
3. Implementation – Describes the modules, technologies, and backend logic.
4. Testing – Explains how the system was tested for correctness.

5. Output – Includes screenshots of the running application.
6. Conclusion – Summarizes the outcomes and future enhancements.
The report helps evaluators understand the entire development process in a structured manner.
3. Screenshots / API Documentation
This section provides visual proof of the application's functionality.
Screenshots show the working screens such as:



The input parameters
The output or response format
It serves as a technical reference for how the system's backend communicates with the frontend.
4. Challenges & Solutions
Every project faces some technical challenges during development.
This part lists the major problems and the solutions used to overcome them.
Examples:

Challenge: Difficulty connecting to MongoDB Atlas
Solution: Added correct connection URI and enabled network access.
Challenge: CORS error between frontend and backend
Solution: Used @CrossOrigin annotation in Spring Boot controller.
This section shows problem-solving ability and understanding of real-time issues.

5. GitHub README & Setup Guide
The README file in GitHub acts as the main documentation for other users.
It includes:

A short introduction of the project
The list of technologies used
Steps to install and run the project
API endpoint list
Screenshots and deployment links
The setup guide helps anyone clone and run the project easily without additional help.
6. Final Submission

In the final phase, all documents and project files are combined for evaluation.
The submission includes:
GitHub repository link
Deployed project link
Project report (PDF)
Screenshots and API documentation
Demo video (optional)
This marks the completion of the project lifecycle, demonstrating that the student can design, develop, test, and document a full-stack application.

Section Description
Final Demo Walkthrough Demonstration of project features
Project Report Complete documentation of the project
Screenshots / API Docs Visual and technical proof of working system
Challenges & Solutions Problems faced and how they were solved
GitHub README Setup and usage guide for the project

Final Submission Complete project package for evaluation