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<b>Project Title</b>	Cruise Ship Management
<b>Technologies</b>	HTML, CSS, JS, and FireBase
<b>Domain</b>	Industry
<b>Project Difficulties level</b>	Hard

Problem Statement:

Only voyagers can use the cruise ship facilities. When a ship's requirements are ordered through a walkie-talkie or telephone during a voyage, it is referred to as a time voyage. If there is a problem with this technique or device, voyagers must go to numerous departments and acquire their supplies directly. As a result, this method improved the ability of passengers to order things online. Every voyager has a distinct Id and Password. As a result, once a voyager logs in, they can place their orders. This system allows voyagers to place catering and stationery orders. They can also reserve tickets for Resort-Movies, the Beauty Salon, the Fitness Center, and the Party Hall.

Web App for Cruise Ship Operations When a voyager orders catering products, he or she is ordering snacks, food, and beverages, among other things. They can order gift items, chocolates, and tale books, among other things, with a stationary item order. They must first choose a film and then check for seating availability before ordering their tickets. When a traveler books a resort, the type of restaurant they want to eat at is determined. Oceanview, balcony view, corridor view, and lounge bookings are all available. They must choose their training equipment through this approach while hiring a fitness center. In addition, students can schedule their gym time.

This system includes the ability to hire a party hall. In this case, the traveler must select the type of hall that best suits their needs. Birthday parties, wedding parties, engagement parties, business parties, get-together parties, and other types of gatherings are all common. Viewing catering items and passing orders to distribute

them to other departments is the job of the head chef. Supervisor inspects stationery items before issuing a delivery order to many departments.

## System Modules

### 1. VOYAGER

- Username and password
- Sign In
- Ordering catering items
- Ordering stationery items
- Booking Resort-Movie tickets
- Booking beauty salon
- Booking fitness center
- Booking party hall

### 2. ADMIN

- Username and password
- Sign In
- Add Item
- Edit/ Delete Item
- Maintain menu items
- Voyager registration

### 3. MANAGER

- View booked Resort- Movie Tickets
- View booked beauty salon
- View booked fitness center
- View booked fitness center
- View booked Party hall

### 4. HEAD-COOK

- View ordered catering items

### 5. SUPERVISOR

- View ordered stationery items

## Project Evaluation metrics:

### Code:

- You are supposed to write a code in a modular fashion
- Safe: It can be used without causing harm.
- Testable: It can be tested at the code level.
- Maintainable: It can be maintained, even as your codebase grows.
- Portable: It works the same in every environment (operating system)
- You have to maintain your code on GitHub.
- You have to keep your GitHub repo public so that anyone can check your code.
- Proper readme file you have to maintain for any project development.

- You should include basic workflow and execution of the entire project in the readme file on GitHub
- Follow the coding standards.

**Database:**

- You are supposed to use FireBase.

**Logging:**

- Logging is a must for every action performed by your code, use the JavaScript or python logging library for this.

**Deployment:**

- You can host your model in the cloud platform, edge devices, or maybe local, but with a proper justification of your system design.

**Optimization of solutions:**

- Try to optimize your solution on code level, architecture level, and mention all of these things in your final submission.
- Mention your test cases for your project.

**Submission requirements:****Project code:**

You have to submit your code to the GitHub repo and you have to share the repo link at final submission of your project.

**Detail project report:**

You have to create a detailed project report and submit that document as per the given sample.

