

Project Name

Book Here

Project Idea

A web platform that allows users to search, compare, and book hotels based on their budget and preferences. The site offers filters for location, price range, amenities, and provides instant booking confirmation.

Team Members (pentaRae)

- Ola Elwan (Team leader)
 - Eman Gamal
 - Omar Mohamed
 - Mohamed Gamal
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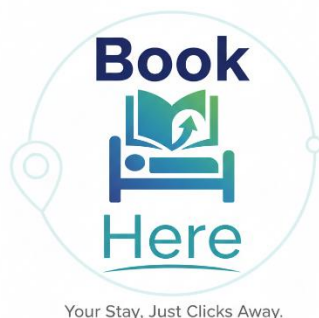
Work Plan

1. Research & Analysis

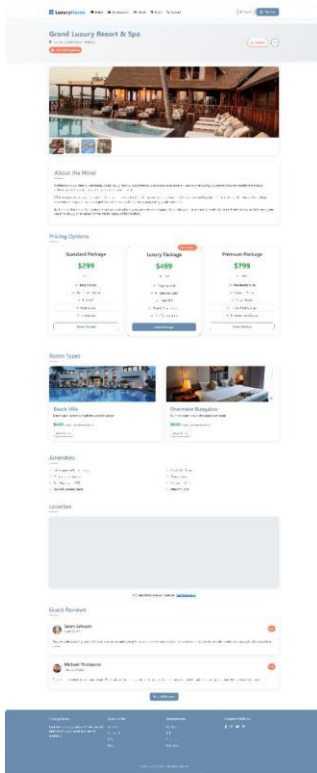
[https://github.com/olaelwan2021/Book-Here/blob/main/Book%20Here%20\(Features\).pdf](https://github.com/olaelwan2021/Book-Here/blob/main/Book%20Here%20(Features).pdf)

[Book-Here/Book Here \(Wireframe\).pdf at main · olaelwan2021/Book-Here · GitHub](#)

2. Visual Identity



3. Main Designs



4. Complementary Products

5. Review & Finalization

6. Final Presentation

Roles & Responsibilities

1. Front-End Basics — [Eman Gamal]

- Build the main pages using **HTML** (Home, Search, Booking).
- Add simple **CSS** for layout and basic styling.
- Ensure the site is responsive and works on mobile screens.

2. Front-End Logic — [Mohamed Gamal]

- Implement interactive features using JavaScript (e.g., search filters, date inputs).
- Connect the front-end to the back-end APIs built with Node.js + Express.
- Validate user input on the client-side before sending it to the server.

3. Back-End & Database — [Omar Mohammed]

- Create and manage the database using MongoDB with collections for hotels and bookings.
- Develop the server-side code with Node.js + Express to handle APIs for hotels and bookings.
- Implement features for fetching hotels, storing reservations, and managing booking data.
- Add basic security checks and input validation to protect the system.

4. Integration & Deployment — [Ola Elwan]

- Merge front-end and back-end code and resolve conflicts.
- Deploy the final version to **GitHub Pages**.
- Prepare the final **README.md** and documentation.

Instructor

Hesham Mohamed

Project Files

You can find the full project files here:
<https://github.com/olaelwan2021/Book-Here>

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KPIs (Key Performance Indicators)

Metrics to measure project success:

- System uptime: $\geq 99.9\%$
- Average response time: < 2 seconds
- User adoption rate: at least 1,000 active users within 3 months
- Booking conversion rate: 20% of visitors complete a booking