

Task Assignment for group 34

1. Development Strategy
 2. Detailed Task Assignment
 3. Timeline & Deadlines
 4. Workflow Notes
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1. Development Strategy

- **Framework:** React with Tailwind CSS for UI.
 - **Approach:** Mobile-first, component-driven, API-ready.
 - **Version Control:** GitHub with main (production), dev (integration), feature branches.
 - **Design Alignment:** All devs work from a single Figma design file.
 - **Reviews:** Peer review (Stephen) before merging to dev.
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2. Detailed Task Assignment

Stephen Pakateng – Lead Frontend & Architecture

Role: Oversees architecture, integration, booking flow, and code reviews.

Tasks:

1. **Project Setup & Configuration**
 - Initialize Next.js project, Tailwind CSS, ES Lint, Prettier.
 - Set up routing and folder structure.
 - Configure state management (Redux Toolkit or React Query).
2. **Global Layout Components**
 - Navbar, Footer, Page Wrapper.
3. **Booking Flow Development**
 - Multi-step booking form (guest details → payment → confirmation).
 - Form validation + mock API integration.
4. **Integration & Code Review**
 - Merge feature branches weekly.

Dawit Solomon – Search, Listings & Filtering

Role: Builds the hotel discovery pages and search functionalities.

Tasks:

1. **Search Bar Component**
 - Location, date range, guest count fields.
2. **Hotel Listings Page**
 - Fetch & display hotels in grid format (mock data).
 - Pagination or infinite scroll.
3. **Filtering System**
 - Filter by price, rating, amenities.
4. **Sorting Options**
 - Sort by popularity, price, rating.
5. **Responsive Adjustments**
 - Ensure listings work on mobile, tablet, desktop.

Kang Malual – UI Library & Homepage

Role: Creates the design system and public-facing landing page.

Tasks:

1. **Design System Setup**
 - Buttons, inputs, dropdowns, modals, hotel cards.
2. **Homepage Hero Section**
 - Search bar integration + hero banner.
3. **Homepage Sections**
 - Featured hotels, testimonials, “Why Choose Us” section.
4. **Global Responsiveness**
 - Ensure homepage & UI components adapt to all devices.
5. **UI Component Documentation**
 - Document props, variations, and usage.

Amen Adane – Hotel Detail Pages & User Accounts

Role: Focuses on detail-heavy pages and user flows.

Tasks:

- 1. Hotel Detail Page**
 - Image carousel, amenities list, description, reviews section.
 - “Book Now” button → links to booking form.
- 2. Authentication Pages**
 - Login, Signup, Forgot Password forms with validation.
- 3. User Profile Page**
 - Booking history table, profile edit form.
- 4. Error & Loading States**
 - 404 page, skeleton loaders, error modals.

3. Timeline & Deadlines (4-Week Plan)

Days	Stephen	Dawit	Kang	Amen
Day 1	Project setup, Navbar, Footer	Search Bar, Listings basic layout	Design System, Homepage Hero	Hotel Detail basic layout
Day 2	Booking Form Step 1–3	Listings filters & sorting	Homepage sections	Auth Pages
Day 3	Booking API integration	Responsive listings	Global responsiveness	Profile Page
Day 4	Deployment, QA, Code Review	Bug fixes, final testing	Component documentation	Error/loading states

4. Workflow Notes

- **Git Branch Naming:** feature/booking-form, feature/hotel-listings, etc.
- **Code Reviews:** PR reviewed by Stephen dev before merge.
- **Testing:** Each dev writes basic component tests (Jest + React Testing Library) for their features.

5. Conclusion

Stephen: I Request everyone to at least work on 60% of the task assigned to you, by the end of this week. The dateline for the front-end design is only maximum of 1 ½ week, we also expect to test our final site at least by Wednesday next week and by Friday next week we should conclude our whole project. I urge all of us to cooperate and work together as a team to make the work easier and faster.