

Project Design Phase

User Interface (UI) and Experience Design

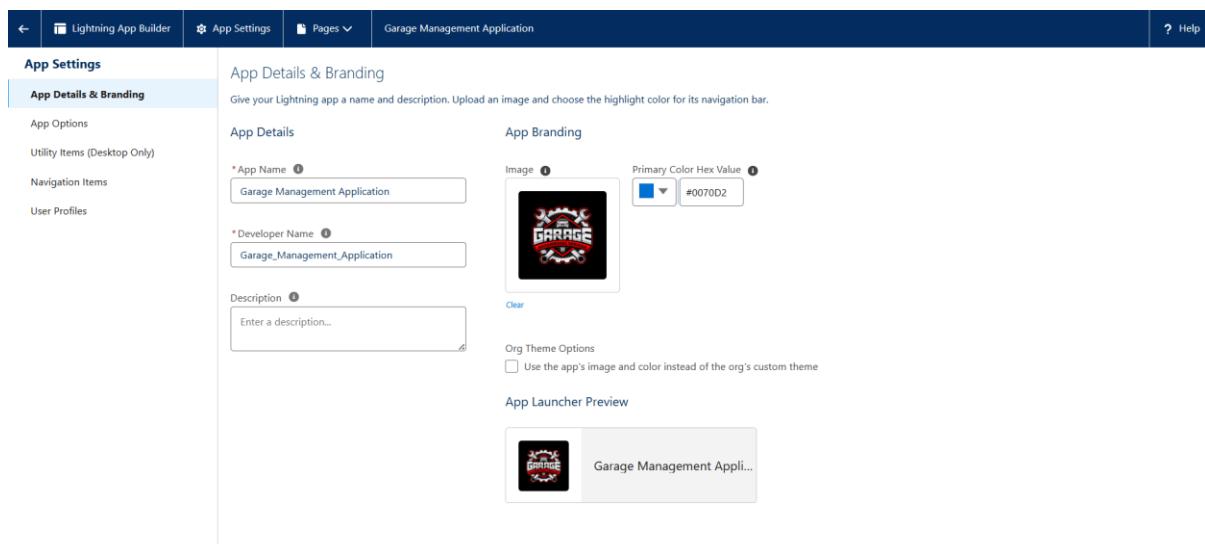
Date	25 October 2025
Team ID	NM2025TMID02695
Project Name	Garage Management system
Maximum Mark	2 Marks

4.3 User Interface (UI) and Experience Design

The GMS includes a **custom Lightning App** to streamline navigation and provide role-based visibility.

4.3.1 Lightning App Configuration

- **App Name:** Garage Management Application
- **App Items (Tabs):**
 - Customer Details
 - Appointments
 - Service Records
 - Billing Details
 - Reports & Dashboards
- **Branding:**
 - App Logo: Custom garage icon
 - Primary Color Theme: Blue-gray for professional appearance



4.3.2 Page Layouts and Record Types

Object	Page Layout Features	Visible To
Customer Details	Basic info (Phone, Email, Name)	All Users
Appointment	Vehicle number, date, linked customer	Sales Person
Service Records	Quality check status, Service status	Sales Person / Manager
Billing Details	Payment status, service rating	Manager only

The screenshot shows the 'Navigation Items' section of the Lightning App Builder. On the left, a sidebar lists 'App Settings' options: App Details & Branding, App Options, Utility Items (Desktop Only), Navigation Items (selected), and User Profiles. The main area is titled 'Navigation Items' and contains two panels: 'Available Items' and 'Selected Items'. The 'Available Items' panel lists various navigation items with icons, including Accounts, Action Hub, Activation Targets, Activations, All Sites, Alternative Payment Methods, Analytics, App Launcher, Appointment Categories, and Appointment Invitations. The 'Selected Items' panel contains six items: Customer Details, Billing details and feedback, Reports, Dashboards, Service records, and Service Contracts. Navigation arrows between the panels allow items to be moved between them.

The screenshot shows the 'User Profiles' section of the Lightning App Builder. On the left, a sidebar lists 'App Settings' options: App Details & Branding, App Options, Utility Items (Desktop Only), Navigation Items, and User Profiles (selected). The main area is titled 'User Profiles' and contains two panels: 'Available Profiles' and 'Selected Profiles'. The 'Available Profiles' panel lists various user profiles: Analytics Cloud Integration User, Analytics Cloud Security User, Anypoint Integration, Authenticated Website, Authenticated Website, B2B Reordering Portal Buyer Profile, Contract Manager, Cross Org Data Proxy User, Custom: Marketing Profile, and Custom: Sales Profile. The 'Selected Profiles' panel contains three profiles: System Administrator, sales person, and Manager. Navigation arrows between the panels allow profiles to be moved between them.

4.3.3 User Experience Enhancements

- Dynamic Forms: Used for conditional visibility (e.g., show “Service Amount” only when status = Completed).
- Quick Actions: “Create Appointment” and “Add Billing” for faster navigation.
- Compact Layouts: Optimized for mobile and tablet Salesforce views.

4.4 Conclusion

The Project Design Phase establishes the detailed Salesforce configuration blueprint for the Garage Management System (GMS). Through an efficient data model, robust automation, and a secure UI design, the system ensures seamless service tracking, reliable billing, and data integrity. This design serves as the foundation for the upcoming **Development and Testing Phase**.