

Project Design Phase-II
Solution Requirements (Functional & Non-functional)

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|---------------|---------------------|
| Date | 22 February 2026 |
| Team ID | LTVIP2026TMIDS42582 |
| Project Name | Home-Rentals |
| Maximum Marks | 4 Marks |

Functional Requirements:

Following are the functional requirements of the proposed solution.

| FR No. | Functional Requirement (Epic) | Sub Requirement (Story / Sub-Task) |
|--------|-------------------------------|--|
| FR-1 | User Registration | Registration through Form Registration through Gmail Registration through LinkedIn |
| FR-2 | User Confirmation | Confirmation via Email Confirmation via OTP |
| FR-3 | Property Search & Listing | Search properties by location, date, price View property details and images Filter and sort listings |
| FR-4 | Booking & Payment | Book property for selected dates Secure online payment Booking confirmation and invoice |
| FR-5 | Profile Management | Update profile information Upload profile picture |
| FR-6 | Host Management | Create and edit property listings View and manage bookings |

Non-functional Requirements:

Following are the non-functional requirements of the proposed solution.

| FR No. | Non-Functional Requirement | Description |
|--------|----------------------------|---|
| NFR-1 | Usability | The application should be easy to use, with intuitive navigation and clear UI |
| NFR-2 | Security | User data, payments, and authentication must be secure and encrypted |
| NFR-3 | Reliability | The system should operate without failures and recover gracefully from errors |
| NFR-4 | Performance | Pages and actions should load quickly, even under high user load |
| NFR-5 | Availability | The service should be accessible 24/7 with minimal downtime |
| NFR-6 | Scalability | The system should handle increasing numbers of users and listings efficiently |