**Project Design Phase**

**Solution Architecture**

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| --- | --- |
| Date | 15 February 2025 |
| Team ID | LTVIP2025TMID59690 |
| Project Name | HouseHunt: Finding Your Perfect Rental Home |
| Maximum Marks | 4 Marks |

**Solution Architecture:**

Solution architecture is a complex process – with many sub-processes – that bridges the gap between business problems and technology solutions. Its goals are to:

* Find the best tech solution to solve existing business problems.
* Describe the structure, characteristics, behavior, and other aspects of the software to project stakeholders.
* Define features, development phases, and solution requirements.
* Provide specifications according to which the solution is defined, managed, and delivered.

**Example - Solution Architecture :**

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**| User Devices |**

**| Desktop/Mobile - Renters & Owners) |**

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**| Frontend Application |**

**| React.js | Ant Design | Bootstrap | Axios |**

**| - Renter & Owner dashboards |**

**| - Property browsing & booking |**

**| - Admin panel |**

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**| Backend Server |**

**| Node.js + Express.js |**

**| - REST APIs |**

**| - Authentication & Authorization |**

**| - Business Logic |**

**| - File Uploads (Multer) |**

**| - Notifications & Email |**

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**| MongoDB Database |**

**| - User Profiles |**

**| - Property Listings |**

**| - Bookings & Transactions |**

**| - Reviews & Ratings |**

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