**Project Design Phase-II**

**Technology Stack (Architecture & Stack)**

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| --- | --- |
| Date | 14 April 2025 |
| Team ID | SWTID1743517551 |
| Project Name | HouseRent |
| Maximum Marks | 4 Marks |

Sprint Duration → 2 Days for Sprint 1;   
 1 Day for Sprint 2;   
 2 Days for Sprint 3;   
 3 Days for Sprint 4

## Story Point Effort Level:

1 → Very Easy  
2 → Easy  
3 → Moderate  
5 → Difficult

## Sprint 1: (2 Days)

User Authentication

• User Registration Page Design – 2

• User Login Authentication – 3

Homepage & Listings

• Navbar, Header & Property Listings UI – 3

• Property Filtering by Category – 3

Responsive Design

• Making Website Responsive – 2

## Sprint 2: (1 Day)

User Interaction Pages

• View Booked Property Page – 2

• Apply for Property Feature – 2

• Confirmation Page – 3

## Sprint 3: (2 Days)

Backend Setup

• Install Dependencies & Setup MongoDB Atlas – 1

• Create Routes for Adding, Fetching, Deleting Listings – 3

## Sprint 4: (3 Days)

Functional Logic Implementation

• JWT-based Authentication & Authorization – 5

• Property Listing Approval, Role-based Dashboards – 3

## Total Story Points

Sprint 1 = 13  
Sprint 2 = 7  
Sprint 3 = 4  
Sprint 4 = 8

## Final Calculation:

Total Story Points = 13 + 7 + 4 + 8 = 32

No of Sprints = 4

Velocity = Total Story Points / Number of Sprints = 32 / 8 = 4

Our team’s velocity is 4 Story Points per Sprint.