**Agile & Scrum Simulation – Assignment Template**

**Course:** Software engineering &System design  
**Assignment Title:** Agile & Scrum Practice through Case Study  
**Scenario / Case Study Assigned:** Vehicle Service Booking App

**Section A – Team Details**

* **Team Name / ID:** Bubble Trouble
* **Scrum Master:** Rupali
* **Team Members:** 7

**Section B – Product Backlog**

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| **Backlog Item (Feature)** | **Description** | **Priority (H/M/L)** | **Story Points (1–5)** |
| User Registration & Login | Allow users to sign up, log in, and manage their profile securely | H | 3 |
| Service Booking | Enable users to book a service appointment with date, time, and location | H | 5 |
| Booking Confirmation | Send confirmation and reminders via SMS/email | M | 2 |
| Service Type selection | Let users choose from service types (oil change, tire rotation, etc.) | H | 3 |
| Payment Integration | Integrate payment gateway for online payments | H | 3 |
|  |  |  |  |

**Section C – Sprint Backlog (Sprint Planning)**

**Sprint No.** 3 **| Duration:** 1 week| **Sprint Goal:** Enable users to register, book vehicle services, and complete secure payments

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| **Selected Feature** | **Tasks to Complete** | **Estimated Effort (pts)** | **Assigned To** |
| User Registration & Login | - Design registration/login UI - Implement authentication (email/password) - Add validation and error handling | 5 | B.Sanjana |
| Service Booking | - Build booking form with date/time picker - Integrate service type selection - Implement booking confirmation flow | 8 | Rupali Thakur |
| Payment Integration | - Integrate payment gateway (e.g., phonepay,Gpay ) - Handle payment success/failure - Generate digital receipt | 7 | Bhargavi |

**Section D – Increment (Sprint Output)**

* **Increment Delivered (Working Features):**

\* User registration and login with email/password authentication

\* Service booking form with date/time selection and confirmation flow

\* Phonepay/Gpay payment integration with success/failure handling and receipt generation

* **Demo Evidence (screenshot/code snippet/diagram):** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Section E – Scrum Events**

Tick the events your team conducted during the simulation:

**1**. Sprint Planning

2. Daily Scrum (Stand-up)

3. Sprint Review

4. Sprint Retrospective

5. Backlog Refinement (Grooming)

**Section F – Reflection**

* **What went well?** We maintained strong team coordination throughout the sprint**.**
* **What challenges did we face?** Mid-sprint scope changes disrupted our workflow**.**
* **What improvements can we make in the next Sprint?** We’ll define clearer priorities and lock scope early.