**SMARTRIDE PROJECT PROPOSAL**

**1. Project Client and Team Members**

Client:

* Name: SmartRide Transportation Co.
* Address: TP.HCM
* Email: info@smartridecity.com
* Phone: +84 123 456 789

Project Team Roles:

* Project Manager (Pseudonym): TBA – Oversees planning, execution, and reporting.
* Business Analyst: TBA – Gathers and analyses client requirements.
* UI/UX Designer: TBA – Designs interface and user experience elements.
* Developer: TBA – Implements functionality, including backend and frontend.
* Database Administrator/Tester: TBA – Designs database and conducts testing.

Mock Contact Details:

* Emails: TBA
* Phone (Office): TBA

Formal Reporting:

* Weekly team meetings (in person or via Zoom)
* Status reports submitted daily during the RAD cycle.
* Review meetings with supervisor at end of Day 3 and Day 6.
* Client update meetings (if real client present): Twice per iteration (Day 1 and Day 6).

**2. Project Description**

Nature of the Organisation: SmartRide is a transportation service provider that connects customers with drivers via cars and motorbikes within a busy urban environment.

Background to the Project: Currently relying on a manual ride-matching and payment process, SmartRide struggles with long wait times, inefficient driver assignment, and inconvenient payment methods.

Problem Statement: The manual system results in high customer dissatisfaction due to delays, booking failures during peak hours, and inefficient cash payment handling. It hinders service expansion and causes operational inefficiencies.

Project Objectives:

* Develop an Online Ride-Sharing Platform (ORSP) that allows:
  + Customers to register, book rides, track drivers, and make payments.
  + Drivers to manage ride assignments and update ride status.
  + Admins to view ride statistics and system reports.
* Ensure the platform is scalable, secure, and user-friendly.

Note: This iteration focuses on core web functionality only. Mobile app, loyalty programs, and advanced features will be reserved for future phases.

**3. Project Scope**

In Scope:

* Web-based system for user registration and login
* Ride booking and driver assignment (basic logic)
* GPS tracking integration (mock data)
* Online payment interface (dummy gateway)
* Admin dashboard with basic reporting
* Database schema design
* UI design and wireframes for web platform

Out of Scope:

* Native mobile applications (iOS/Android)
* Real-time push notifications
* Integration with external payment or GPS services (production level)
* Loyalty and reward features
* Ongoing support and maintenance post-launch

Project Deliverables:

* Functional web-based ride-sharing prototype
* User roles: Customer, Driver, Admin
* Basic reporting system for admin users
* Documentation (UML diagrams, test cases, user manual)

**4. Project Schedule (RAD - 6 Days)**

|  |  |  |  |
| --- | --- | --- | --- |
| Day | Tasks | Team Members Involved | Resources |
| 1 | **Planning & WBS** | **All** | **Whiteboard, Project Plan Tool** |
| 2 | **Requirement Gathering, Use Case Diagram** | **Business Analyst, PM** | **Google Meet, Word, PlantUML** |
| 3 | **UI/UX Mockups, Workflow Design** | **Designer, BA** | **Figma, Miro, UML Tools** |
| 4 | **Database & Architecture Design** | **Dev, DBA** | **MySQL Workbench, Lucidchart** |
| 5 | **Component Development & Integration** | **Dev, DBA, Designer** | **VS Code, GitHub, Node.js, SQL** |
| 6 | **Testing & Demo** | **All** | **Jest, Postman, PowerPoint** |

**5. Risks**

|  |  |  |  |
| --- | --- | --- | --- |
| Risk Description | Likelihood | Impact | Action Plan |
| Scope creep due to feature requests | **High** | **High** | **Enforce scope control; require feature prioritization** |
| Technical issues during integration | **Medium** | **High** | **Use modular development and frequent testing** |
| Time constraints within 6-day cycle | **High** | **Medium** | **Strict adherence to RAD timeline and daily targets** |
| Misunderstanding of requirements | **Medium** | **High** | **Frequent client/supervisor check-ins and reviews** |
| Limited test coverage due to short timeframe | **Medium** | **Medium** | **Prioritize critical path testing and document test gaps** |

**6. Acceptance and Approval**

Sign-Off Parties:

* Client Representative: Mr. Nguyen Van Long – Operations Manager, SmartRide
* Team Lead: TBA– Project Manager, ORSP Team
* Supervisor: TBA – Project Supervisor, Apr 2025 Cohort

Signatures:

* Mr. Nguyen Van Long: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: 23/04/2025
* TBA: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: 23/04/2025
* TBA: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: 23/04/2025