DriverPass Business Requirements Document

Prepared for: DriverPass  
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Course: CS 255

# System Components and Design

The DriverPass system will consist of:  
- A web-based platform hosted on the cloud for online courses, practice exams, and account management.  
- A reservation management module for scheduling on-the-road lessons with instructors and vehicles.  
- Role-based access control for IT administrators, secretaries, and customers.  
- A reporting module for progress, activity logs, and DMV compliance updates.  
- Database integration to manage customer data, appointments, training packages, and test results.

# Purpose

The DriverPass system aims to reduce DMV test failure rates by offering structured online practice tests and practical training lessons. It provides students with flexible scheduling, updated DMV-compliant training, and robust progress tracking.

# System Background

DriverPass identified that 65% of students fail DMV exams due to inadequate preparation. The company wants to bridge this gap with a scalable digital platform that combines self-paced online learning with practical instructor-led sessions.

# Objectives and Goals

- Provide online practice exams and study materials.  
- Enable customers to register, schedule, and manage lessons online.  
- Ensure flexible package offerings (6, 8, or 12 hours of training).  
- Maintain compliance with DMV standards by syncing updates.  
- Support IT/admin functions like password resets and account management.  
- Deliver transparent tracking of reservations, modifications, and cancellations.

# Nonfunctional Requirements

- Performance: Support simultaneous access with minimal downtime, reports/tests load within 2–3 seconds.  
- Platform constraints: Cloud-hosted, accessible on mobile and desktop; offline limited to downloaded reports.  
- Accuracy and precision: DMV updates reflected immediately; prevent double-bookings.  
- Adaptability: Packages can be disabled/modified in future.  
- Security: Role-based access, password reset, PCI-compliant credit card handling.

# Functional Requirements

- Users: Admin/IT officer, Owner, Secretary, Customers.  
- Core Functions: Register customers, offer packages, track lessons, display progress, maintain notes, contact system, DMV sync, generate reports.

# User Interface

- Student dashboard for practice tests, progress, and scheduling.  
- Secretary dashboard for intake and scheduling.  
- Admin dashboard for account and report management.  
- Simple, mobile-friendly, and cloud-based interfaces.

# Assumptions

- Customers have internet access.  
- DMV provides timely updates.  
- Secretaries/admins will be trained.

# Limitations

- Only developers can add/remove modules.  
- Offline use limited to reports.  
- DMV sync dependent on DMV update frequency.

# Schedule

Planned Tasks:  
- Collect Requirements: Jan 22 – Feb 4  
- Use Case Diagrams: Feb 11 – Feb 18  
- Activity Diagrams: Feb 15 – Mar 9  
- UI Research: Feb 27 – Mar 7  
- Class Diagram: Mar 1 – Mar 9  
- Customer Approval: Mar 10 – Mar 11  
- Build Interface: Mar 12 – Mar 24  
- Link DB to Interface: Mar 24 – Apr 3  
- Build Business Logic: Apr 5 – Apr 27  
- Test System: Apr 27 – May 7  
- Deliver System: May 8 – May 9  
- Sign-off Meeting: May 9 – May 10  
  
