

CS 255 Business Requirements Document Template

This template lays out all the different sections that you need to complete for Project One. Each section has guiding questions to prompt your thinking. These questions are meant to guide your initial responses to each area. You are encouraged to go beyond these questions using what you have learned in your readings. You will need to continually reference the interview transcript as you work to make sure that you are addressing your client's needs. There is no required length for the final document. Instead, the goal is to complete each section based on your client's needs.

Tip: You should respond in a bulleted list for each section. This will make your thoughts easier to reference when you move into the design phase for Project Two. One starter bullet has been provided for you in each section, but you will need to add more.

System Components and Design

Purpose

What is the purpose of this project? Who is the client and what do they want their system to be able to do?

- DriverPass wants to help students pass their driving tests by offering online practice exams and in-person driving lessons. They need a system that can handle these services and make it easy for customers and staff to manage everything.

System Background

What does DriverPass want the system to do? What is the problem they want to fix? What are the different components needed for this system?

- Many students fail their driving tests because they only study old exams. DriverPass wants to fix this by giving students a better way to prepare, with online courses and real driving practice. The system will help customers book lessons, track their progress, and stay updated with any changes from the DMV.

Objectives and Goals

What should this system be able to do when it is completed? What measurable tasks need to be included in the system design to achieve this?

- The system should let customers create accounts, schedule and cancel driving lessons, and track their progress in online tests. It should also allow staff to manage appointments, handle customer information, and print reports. The system must be secure, flexible, and easy to update when DriverPass changes its lesson packages or the DMV updates its rules.

Requirements

Nonfunctional Requirements

In this section, you will detail the different nonfunctional requirements for the DriverPass system. You will need to think about the different things that the system needs to function properly.

- The system needs to work fast and be easy to access from computers and mobile devices. It will run on the cloud, so DriverPass doesn't have to worry about backups or security. The data must be accurate, especially for scheduling lessons, and the system should be

able to handle updates without major changes. Security is important too, with different user roles to control who can see and change the information.

Functional Requirements

Using the information from the scenario, think about the different functions the system needs to provide. Each of your bullets should start with “The system shall . . .” For example, one functional requirement might be, “The system shall validate user credentials when logging in.”

- Customers will use the system to sign up, book lessons, change or cancel their appointments, and reset their passwords if needed. Staff members like the secretary will use it to manage customer details, schedule lessons, and generate reports. The system will also track which driver and car are assigned to each lesson and allow the owner to see who made or changed appointments.

User Interface

What are the needs of the interface? Who are the different users for this interface? What will each user need to be able to do through the interface? How will the user interact with the interface (mobile, browser, etc.)?

- The system’s interface will show customers their progress in online tests, including test names, scores, and status (like passed or failed). It will also display notes from the driving instructors, including lesson times and any comments. There will be forms for entering customer information and a contact page for reaching out to DriverPass.

Assumptions

What things were not specifically addressed in your design above? What assumptions are you making in your design about the users or the technology they have?

- The system assumes customers will have internet access, since updates can only be made online to avoid mistakes. It also assumes that customers are technologically adept enough to access and use the system with ease.

Limitations

Any system you build will naturally have limitations. What limitations do you see in your system design? What limitations do you have as far as resources, time, budget, or technology?

- The system will initially have to focus on things like scheduling and progress tracking. In the future it will be possible to add new lessons and packages as the owner of the system.

Gantt Chart

Please include a screenshot of the GANTT chart that you created with Lucidchart. Be sure to check that it meets the plan described by the characters in the interview.

- **Collect Requirements:** January 22 – February 4
- **Create Use Case and Activity Diagrams:** February 11 – March 9
- **Research User Interface Designs:** February 27 – March 7
- **Build Class Diagram:** March 1 – March 9
- **Get Customer Approval:** March 10 – March 11
- **Build the Interface:** March 12 – March 24
- **Link Database to Interface:** March 24 – April 3
- **Build Security and Business Logic:** April 5 – April 27

- **Test the System:** April 27 – May 7
- **Deliver and Sign-Off:** May 8 – May 10