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CS-255

CS 255 Business Requirements Document Template

Complete this template by replacing the bracketed text with the relevant information.

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?

- The DriverPass system's goal is to increase students' chances of passing their driving license examinations by giving them thorough study materials and expert on-the-road instruction

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?

- Because of their lack of preparation, many students fail their driving tests, which is how the DriverPass system came to be. By providing a simple and efficient platform for students to hone their driving abilities, DriverPass seeks to close this gap.

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 DriverPass system's primary aims and objectives are as follows:

Within the first year of implementation, raise student passing rates for driving license examinations by at least 20%.

Give both the scheduling of on-the-go training and online practice tests an easy-to-use user interface.

Ensure the system-wide security and privacy of user data.

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.

Performance Requirements

What environments (web-based, application, etc.) does this system need to run in? How fast should the system run? How often should the system be updated?

- The system must react to user input in under two seconds.

Platform Constraints

What platforms (Windows, Unix, etc.) should the system run on? Does the back end require any tools, such as a database, to support this application?

- The system must be compatible with widely used mobile and web browsers.

Accuracy and Precision

How will you distinguish between different users? Is the input case-sensitive? When should the system inform the admin of a problem?

- The online practice tests must faithfully replicate the conditions of the actual driving test.

Adaptability

Can you make changes to the user (add/remove/modify) without changing code? How will the system adapt to platform updates? What type of access does the IT admin need?

- The system must be adaptable in order to support an expanding user base.

Security

What is required for the user to log in? How can you secure the connection or the data exchange between the client and the server? What should happen to the account if there is a “brute force” hacking attempt? What happens if the user forgets their password?

- To protect user data and stop unwanted access, strong security measures should be put in place.

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.”

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 user interface needs to be simple to use and intuitive for people of all ages. The system takes the user's familiarity with computers and the internet for granted.

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?

- Using the inclusiveness factor or diversity in the tech.

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?

Because individual performance may differ, the system cannot guarantee a 100% pass rate.

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

