Southern New Hampshire University

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 client is a company called DriverPass. They want to fill a void in the market for training students for their drivers tests at the local DMV. They want a system that will handle training, practice tests, and scheduling driving instruction and practice.

System Background

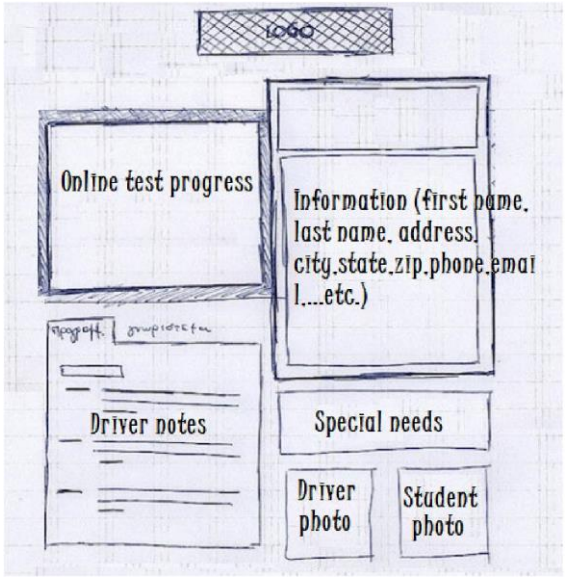
What does DriverPass want the system to do? What is the problem they want to fix? What are the different components needed for this system?

- They want it to provide training, practice tests and driving scheduling for clients.
    - For scheduling, time slots are two hours at a time. The client should be able to have their choice for when that is. This can be done from their online account or by calling our office and talking with a secretary.
    - Car and instructor tracking should be included as well. They want to be able to track which driver is with which car and the time they will be out.
- It needs to be able to track changes to the system.
- Different account types and access. It needs to have different roles and rights for admin access and such.

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?

- Product:
    - Training programs
    - Drive session scheduling
        - Users should be able to create and modify sessions.
    - Practice tests

        - Online tests should show progress updates.
            - Not taken, in progress, failed, or passed.
- Internal system:
    - Account types:
        - Admins
        - Secretaries
        - Users
        - Instructors
    - Tracking:
        - All system changes should be logged.
        - Changes made and user who made the change should be logged.
        - Export logs
    - Admin accounts:
        - Access data remotely.
        - Download reports.
        - Ability to reset employee passwords and lockdown inactive accounts.
        - New account creation for all account types.
- UI sketch is included, provided by DriverPass.
    - 

    - Driver notes should be displayed something like this:
        -

Lesson Time	Start Hour	End Hour	Driver Comments

- Input form for student information:
    - First name, last name, address, etc.
    - Contact information
- Contact page for DriverPass

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?

- [Insert text]

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?

- [Insert text]

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?

- [Insert text]

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?

- [Insert text]

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?

- [Insert text]

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."

- [Insert text]

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.)?

- [Insert text]

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?

- [Insert text]

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?

- [Insert text]

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.

[Insert chart]