# 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 DriverPass, a company that wants to take advantage of a void in the drivers testing market and allow the students to take online testing and classes for driving. They will also provide on-the-road training as well.

### 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 to provide assistance and training to future drivers.
* Different packages, scheduling, roles on the website

### 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?*

* Allow the student to choose from 3 different packages.
* Allow the user to make reservations for classes.
* Allow for admin to access data not seen by regular users.

## 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?*

* Web-based environments seem to be the best as that would be the easiest way for most people to access it from multiple platforms.
* I would say the system should be updated pretty often so any bugs or updates so certain drivers training will be up to date.

#### 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 should run on a browser as it would be best for the users and easily accessed from most people.
* The back end would require a database as the data would have to be stored.

#### 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?*

* There will be roles assigned to each user
  + Most users will have the generic student role
  + Others will have admin
* The input is case sensitive for more security
* If the user puts the wrong information in more than 3 times

#### 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?*

* Yes most of the information able to be changed will be available for the basic role but more specific things as courses required and stuff more advanced will be for the admin role
* It should be a quick update and just a simple refresh will work
* The it admin will get an admin role which gives all the access needed.

#### 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?*

* Currently just a custom password and login
* Making sure the password will be encrypted.
* The user will be able to change the password if need be

### 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.”*

* *The system shall provide online drivers training.*
* *The system shall encrypt student and admin information.*
* *The system shall provide in-person drivers training.*

### 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 interface needed would be web-based so anything that runs on the web would be needed.

### 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?*

* We can assume that anyone can access the software at anytime

### 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]

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Week 1** | **Week 2** | **Week 3** | **Week 4** | **Week 5** | **Week 6** | **Week 7** | **Week 8** |  |  |  |  |
| *collect requirements* | 22-Jan -> 4-feb |  |  |  |  |  |  |  |  |  |  |  |
| *create use case diagrams* |  | 11-feb->18feb |  |  |  |  |  |  |  |  |  |  |
| Build Activity Diagrams for Each Use Case |  | 15-Feb | 9-Mar |  |  |  |  |  |  |  |  |  |
| Research User Interface Designs |  |  | 27-Feb-> 7-Mar |  |  |  |  |  |  |  |  |  |
| Build Class Diagram |  |  | 1-Mar-> 9-Mar |  |  |  |  |  |  |  |  |  |
| Get Customer Approval |  |  |  | 10-Mar-> 11-Mar |  |  |  |  |  |  |  |  |
| Build Interface |  |  |  |  | 12-Mar-> 24-Mar |  |  |  |  |  |  |  |
| Link DB to Interface |  |  |  |  | 24-Mar | 3-Apr |  |  |  |  |  |  |
| Build Business Logic |  |  |  |  |  | 5-Apr | 27-Apr |  |  |  |  |  |
| Test System |  |  |  |  |  |  | 27-Apr | 7-May |  |  |  |  |
| Deliver System |  |  |  |  |  |  |  | 8-May | 9-May |  |  |  |
| Sign-off Meeting |  |  |  |  |  |  |  |  | 9-May | 10-May |  |  |