# 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?*

* [DriverPass wants to provide students with online practice exams and on-the-road training to better prepare them for driving tests. The system aims to offer online classes, practice tests, and on-the-road training sessions, helping students pass their driving tests at the DMV.]

### 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?*

* [DriverPass identified a need for better driver training to help individuals pass their DMV driving tests. The system will provide comprehensive training solutions including online classes, practice tests, and scheduling for driving lessons. Key components include data access and management, security, tracking mechanisms, and an interface with the DMV for updates.]

### 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?*

[ Online and offline data access

 Scheduling and reservation of driving lessons

 Implementation of user roles with different access rights

 Tracking user activities and generating reports

 Interface with DMV for updates

 A user-friendly interface for students, secretaries, and administrators.]

## 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?*

[ System should be web-based and accessible from any device.

 Fast performance to handle multiple simultaneous users.

 Regular updates to ensure system efficiency.]

#### 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?*

[ Must run on both Windows and Unix platforms.

 Backend support with a robust database system.]

#### 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?*

[ User identification with unique credentials.

 Case-sensitive input.

 Immediate admin notification on system errors.]

#### 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?*

[ Easy modification of user roles and rights without code changes.

 Adapt to platform updates seamlessly.

 Comprehensive IT admin access.]

#### 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?*

[ Secure login requirements.

 Encrypted data exchange between client and server.

 Account lockout after multiple failed login attempts.

 Password reset functionality.]

### 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 validate user credentials when logging in.

 The system shall allow users to schedule, modify, and cancel driving lessons online.

 The system shall track and report user activities.

 The system shall provide role-based access to different features.

 The system shall integrate with DMV updates.]

### 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.)?*

[**Needs:**

* Intuitive and easy-to-use interface.

**Users:**

* Students: Schedule lessons, take online tests.
* Secretaries: Manage appointments, handle customer data.
* Administrators: Oversee system operations, reset passwords, track user activities.

**Interaction:**

* Web and mobile access.
* Forms for data entry and modification.

### Assumptions

* Users have basic internet access and computer literacy.
* The system will be used in a standard office environment.]

### 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?*

[ Limited budget and time for development.

 Potential technical constraints based on existing infrastructure.]

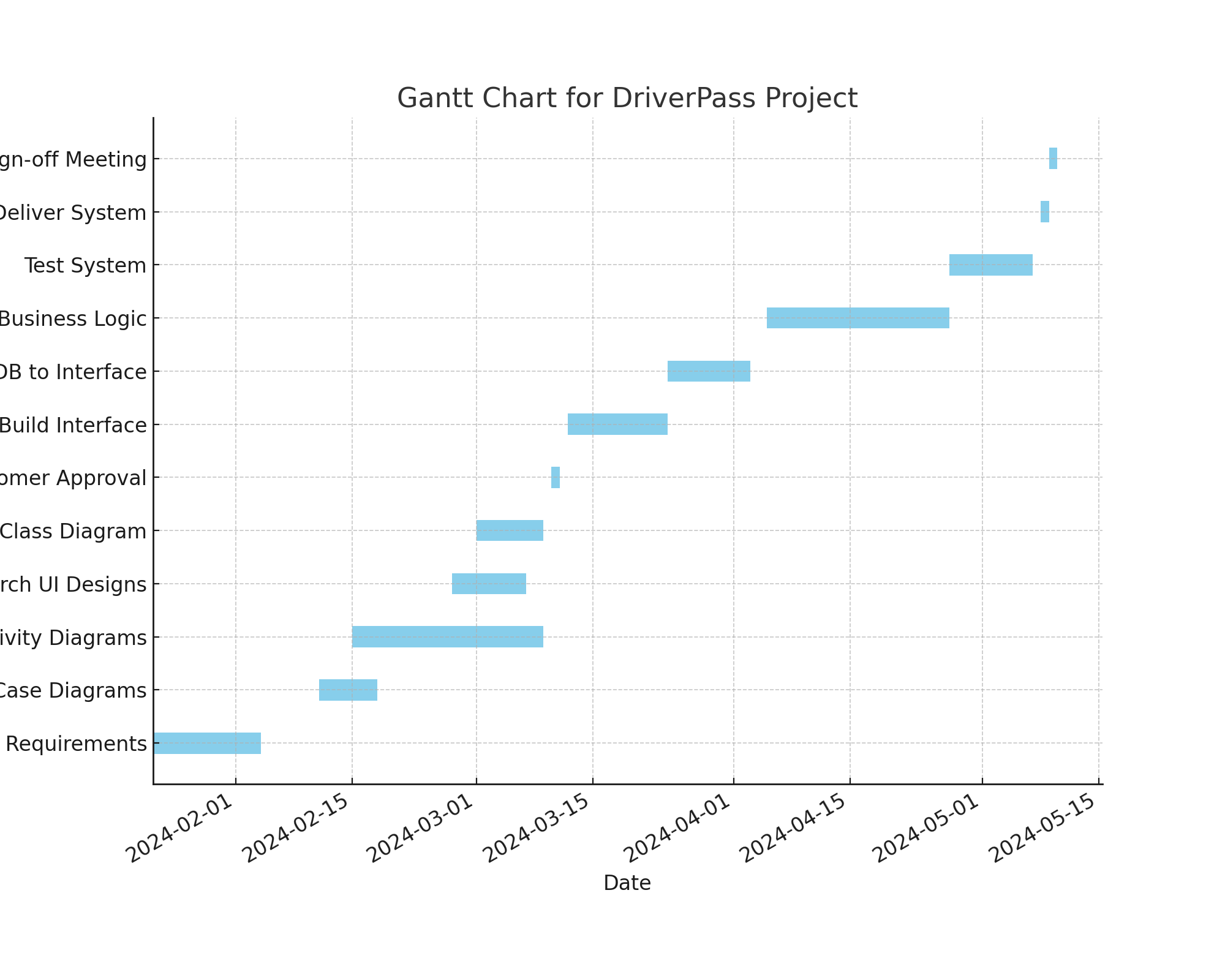
### Limitations

*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.*

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