Exam

System Requirements Document

Index

Introduction .1

1.1 Objectives

This system is considered one of the systems that save a lot of time and effort, as the user can, through this platform, prepare for the exam in all its forms. The online examination system is one of the successful projects that training needs in order to develop the trainee.

This document contains the following sections:

- User roles.
- Workflow diagrams.
- Functional requirements.

1.2 System Overview

Online exams are one of the most important systems that must be available to determine the level of the user, and if he succeeds in the exam, the user is given a certificate in this course.

The system consists of the following main parts:

- ✓ Create an online exam and generate a certificate.
- ✓ Additional services.
- ✓ Reports and Statistics.
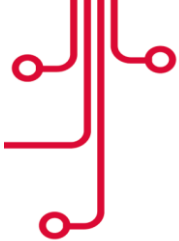
User Roles .2

2.1. Admin

It is the user who keeps track of the system, creates a test bank for each course in the system, and can also get a report on the status of each individual category in terms of the number of students who took the exam and the date of an exam.

2.2. User

The user browses the site, and creates an account, he can enter the exam, and when he passes, he will receive a certificate of achievement for this test.

3. Functional Requirements

3.1. Admin:
- Login
- Statistics on the number of users registered.
- You can view the details of registered users.
- Manage Courses (CURD).
- Manage the type of certificate.
- Add a test bank for each course.
- Send an email to the user with the password.
- Generate a certificate for the user who passed the exam.
- Search between two dates for exams that happened during a certain period.
- Obtains Financial monthly and annual reports on the website (PDF or Excel) documents. It contains Profits, losses, and other financial matters.
- View and update his profile.
- Manage pages (Home, about us, contact us, Testimonial).

Note: **The admin determines the passing mark for each exam.**

3.2. User:

- Register and log in to the system.
- Search for the name of the exam
- Buy the exam via visa.
- Receive an email from the admin for the password.
- View the invoice and can also download it.
- Enter the exam.
- Download the certificate if he passed the exam.
- View and update his profile.

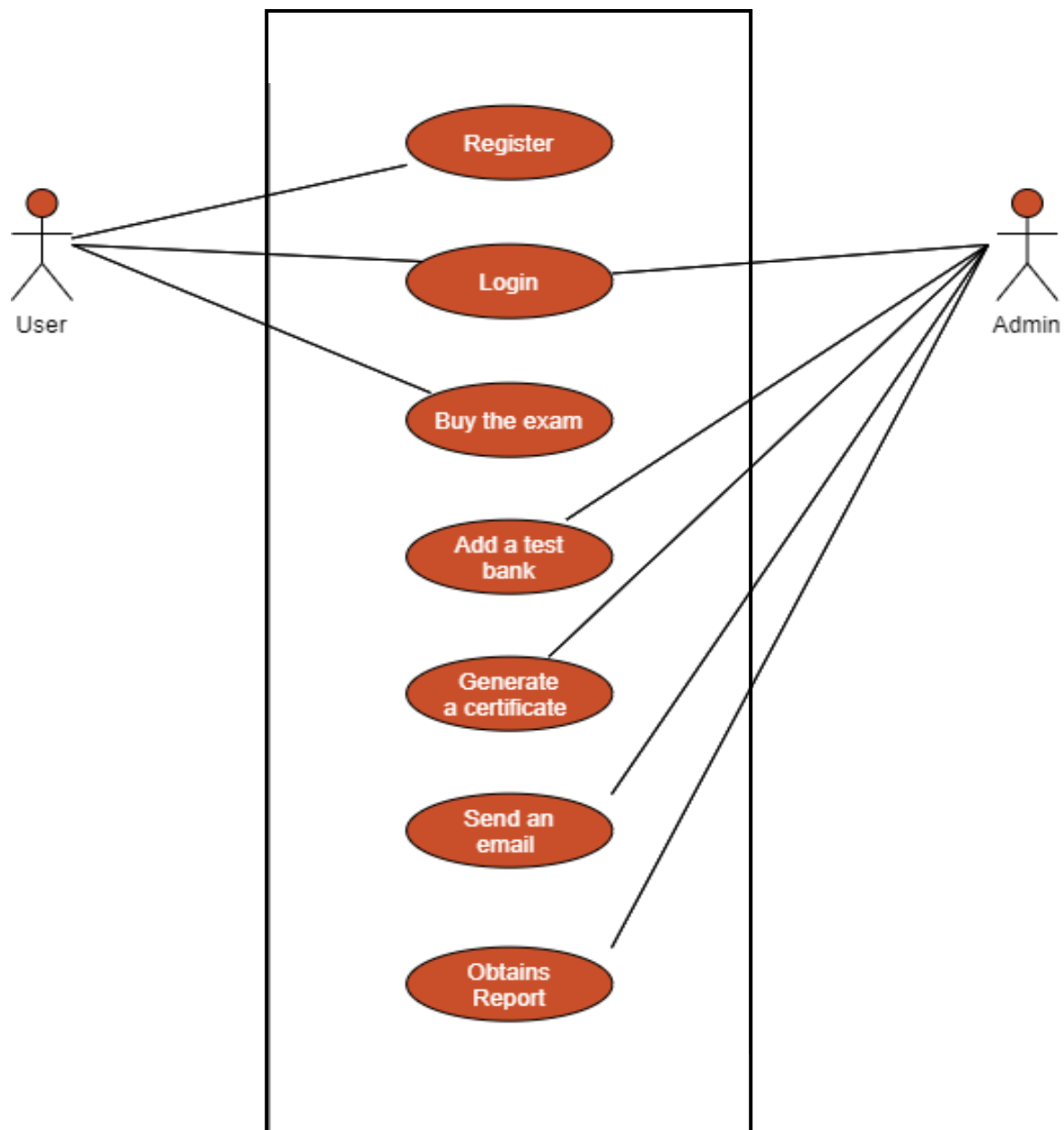**Note:** The System will generate a random 80 questions for each user.

4. Workflow Chart

4.1. Home:

Header
Nav bar
Background / Slider
Templates
Contact Form
Footer

4.2. Use Case Diagram

4.3. Project Plan

Project Plan

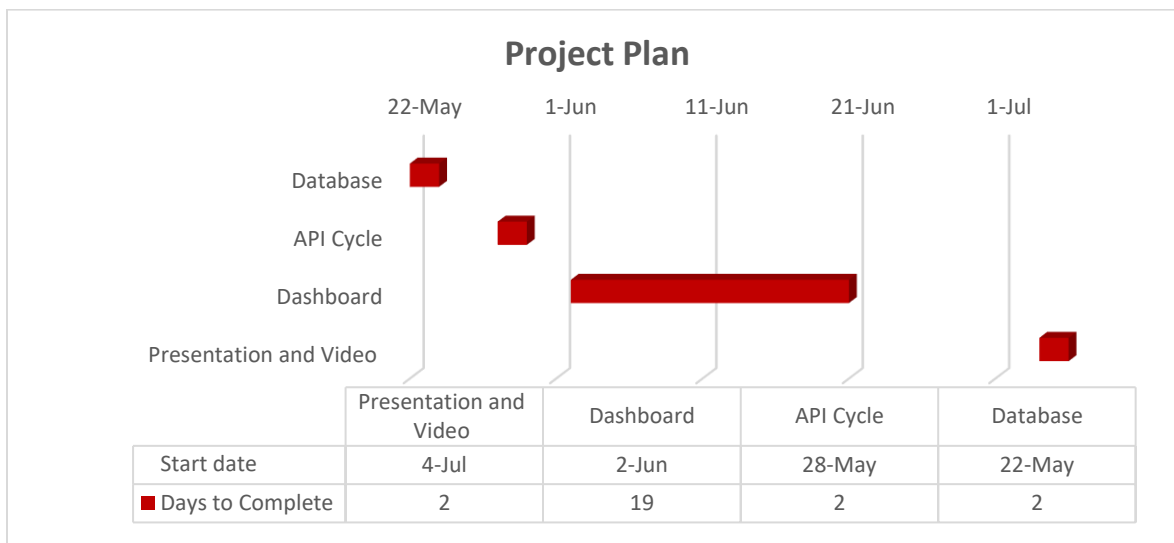|	Presentation and Video	Dashboard	API Cycle	Database
Start date	4-Jul	2-Jun	28-May	22-May
■ Days to Complete	2	19	2	2

5. Interface Design

- Use the Bootstrap template to prepare the home page.
- Use the recognized colors in the design.
- Don't forget to Search by package, name, and interval.
- The report displays on the website and document.
- The report must be containing charts.
- Use a dashboard template for different users.
- Users' sessions must be designed.
- Home Page must contain reviews, testimonials, about us, contact us, header, footer, and background or slider.
- Each part in the home must change dynamically using Database.

6. Rules

- Keep the rules of the clean code.

- Keep the rules of the business.

- Don't forget to design the logout button.

- Keep the project name.

7. Project Programming Language and Technologies

- Use Visual Studio 2019.
- Oracle Server.
- Use SQL Developer.
- Use ASP.NET Core Web API.
- Use Angular.

8. Project Upload Requirements

- Upload your project code.
- Upload Project Presentation (Advertising presentation) .
- Upload Project Video.

9. Project Evaluation

- 15% Project video and presentation.
- 35% Interfaces Design.
- 50% Code Functionality.

10. Deadline

22/05/2022-06/07/2022

The project is submitted on the portal: 06/07/2022.