



Software Engineering Project Report For

# **EGYEast**

## **Streaming & Entertainment Platform**

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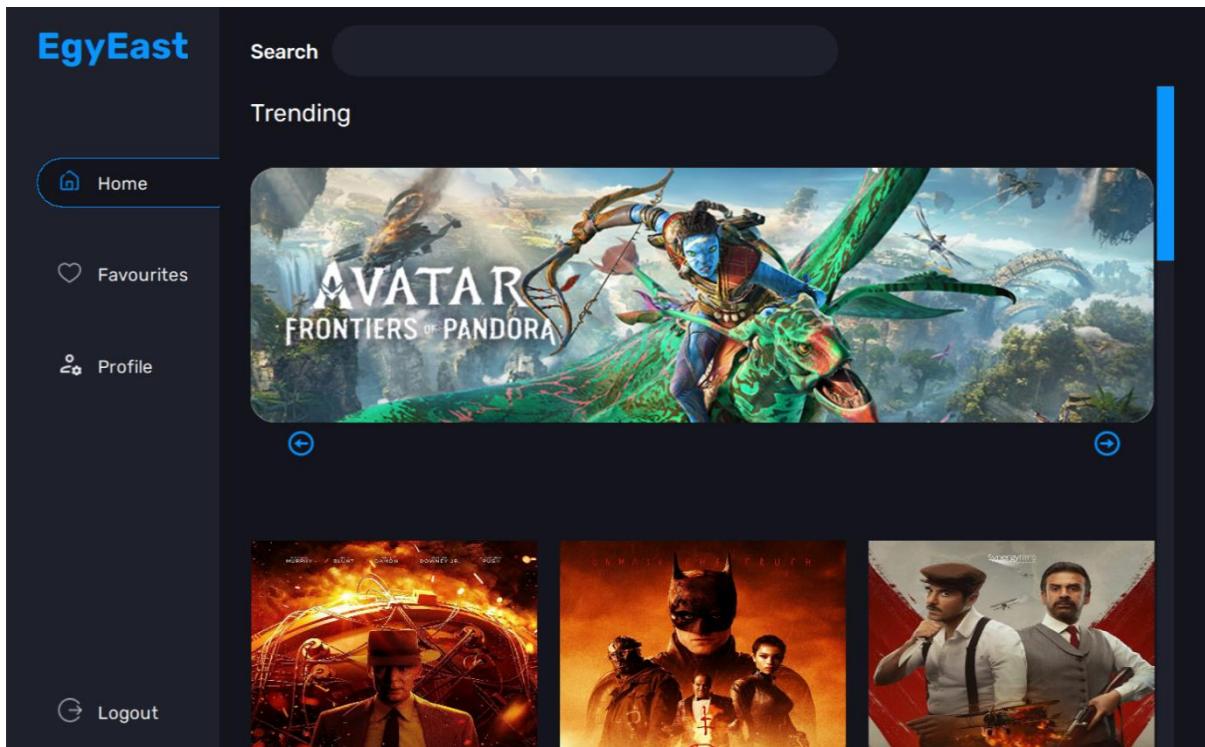
University of: **Sadat City.**



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## ACKNOWLEDGEMENT



Upon the successful completion of our project, **EGYEAST STREAMING & ENTERTAINMENT PLATFORM**, we would like to express our sincere gratitude to everyone who assisted us in bringing the project to fruition.

We are sincerely thankful to our project guide, ENG/Daived Kamal, for his interest, guidance, and suggestions throughout the project. We feel honored and privileged to have worked under his supervision. He shared his vast pool of knowledge with us, which helped us navigate through all the difficulties with ease. This project would not have been possible without his guidance.



## PROBLEM STATEMENT

### The reason we chose EGYEast?

One problem facing families in the Middle East is the lack of access to family-friendly content on traditional and online platforms. Many streaming services do not offer a sufficient selection of age-appropriate movies and TV shows for children and teens, or they may not have content dubbed or subtitled in Arabic.

**EGYEast** aims to solve this problem by offering a curated selection of family-friendly content from the Middle East and North Africa region, as well as international productions with themes or characters from the region. The service includes a variety of movies, TV shows, and other video content suitable for all ages, providing options for Arabic-language dubbing or subtitles to make the content more accessible to a local audience.

By offering a convenient and diverse selection of age-appropriate content, **EGYEast** helps families in the Middle East access quality entertainment that is both enjoyable and educational."



# Introduction

## 1.1 Purpose

The main purpose of this software is to address the lack of family-friendly content in the Middle East and North Africa region. EGYEast aims to solve this problem by offering a curated selection of family-friendly content, including international productions with themes or characters from the region.

The service encompasses a variety of movies, TV shows, and other video content suitable for all ages. It provides options for Arabic-language dubbing or subtitles, making the content more accessible to a local audience. By offering a convenient and diverse selection of age-appropriate content, EGYEast helps families in the Middle East access quality entertainment that is both enjoyable and educational.

## 1.2 Scope

- Provide a user-friendly interface.
- Create a registration form with a subscription option.
- Implement a search feature in the movie library and allow users to rate movies.
- Enable customers to report problems or issues.
- Ensure responsiveness across all types of devices.
- Develop separate dashboards for:
  1. Admin.
  2. Content Provider.



### 1.3 Definitions

- **EGYEast:** Refers to the streaming and entertainment platform designed to provide family-friendly content in the Middle East and North Africa region.
- **UI:** Stands for User Interface, which involves the visual elements and interactions that users experience while using the software or application.
- **DBMS:** Abbreviation for Database Management System, a software suite that facilitates the creation, organization, and management of databases.

### 1.4 Overview

The remaining sections of the document delve into the core features of the software. It not only delineates various functions but also elucidates the interrelationships between these functions. In addition to data flow diagrams, the document incorporates cost estimates for system development. The potential risks associated with the system are identified, accompanied by strategies to mitigate them.



## 1.5 Process Model

We opted for the Agile and Incremental model, combined with an Integration and Configuration approach, due to the following reasons:

- **Flexibility for Future Features:** The model allows for the seamless addition of more features in the future.
- **Noncomplex Requirements:** Well-suited for projects with noncomplex requirements.
- **Prototypes and Initial Versions:** It facilitates the development of prototypes and initial versions of the software.
- **Feedback Mechanism:** Enables the gathering of feedback from supervisors, users, or customers.
- **Adaptability to Changing Requirements:** Offers flexibility to accommodate changes in requirements.
- **Rapid Prototyping:** Facilitates the faster delivery of prototypes.
- **Responsive to User Changes:** Easily adaptable processes to respond to changing user requirements.

## 2. Software Requirement Specification

### 2.1 Product perspective

Other platforms exhibit the following drawbacks:

- Lack of access to family-friendly content.
- Insufficient selection of age-appropriate movies and TV shows for children and teens.
- Lack of content dubbed or subtitled in Arabic.

EGYEast is proposed with the following Product perspective:

- Aims to address the lack of family-friendly content by offering a curated selection from the Middle East and North Africa region, including international productions with themes or characters from the region.
- The service encompasses a variety of movies, TV shows, and other video content suitable for all ages. It provides options for Arabic-language dubbing or subtitles to enhance accessibility for a local audience.
- The customer's balance details can easily be retrieved, and any required additions, deletions, or updates can be performed.



## 2.2 Product functions

EGYEast is a cross-platform application with various user interfaces facilitating interaction with the software, enabling users to access suitable content. The functionality of the software is organized into distinct fields/modules, namely:

1. User module.
2. Admin module.
3. Content Provider module.
4. Payment module.

### MODULE 1: User Module

Utilizing this module, users can log in or sign up for a new account. They can then search for suitable content, choose an appropriate subscription plan, adjust account settings, report any issues they encounter, and, finally, make payments.

### MODULE 2: Admin module

This module is designed for administrators to approve content from content providers, approve changes in user email addresses, and address and resolve issues faced by users.

### MODULE 3: Content provider Module

This module enables content providers to request the addition or removal of content and receive feedback regarding their submissions.

### MODULE 4: Payment Module

Provide payment methods and verify the payment.



Various interfaces involved in EGYEast have been designed and implemented using Java. All information about customers is maintained in SQL files which act as databases for the software.

### 2.1.1 User characteristics

- The user of the system should feel comfortable accessing content in all languages and with various subtitle options.
- The user must possess basic knowledge of computers, the internet, and online transactions with payment methods.

### 2.1.3 General Constraints

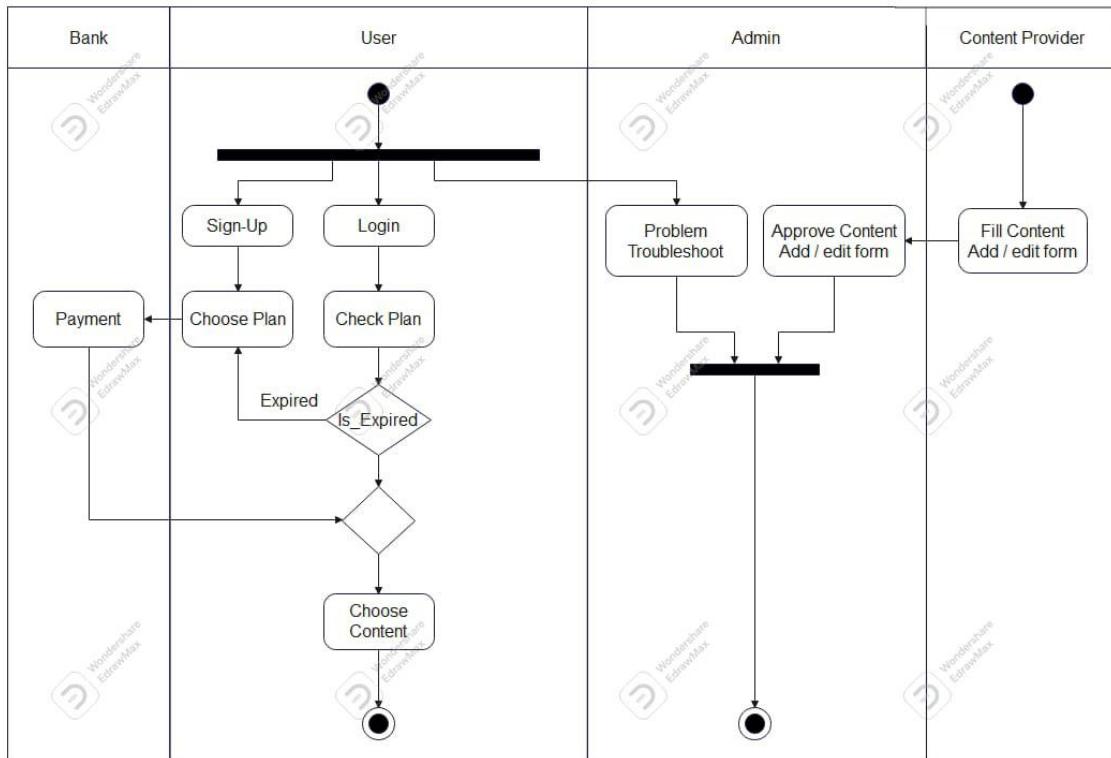
- The database of the software is not accessible to every user of the software. Making changes to the database requires permission given to certain individuals.
- The system must be in place within the next 2 months.

### 2.1.4 Assumptions and Dependencies

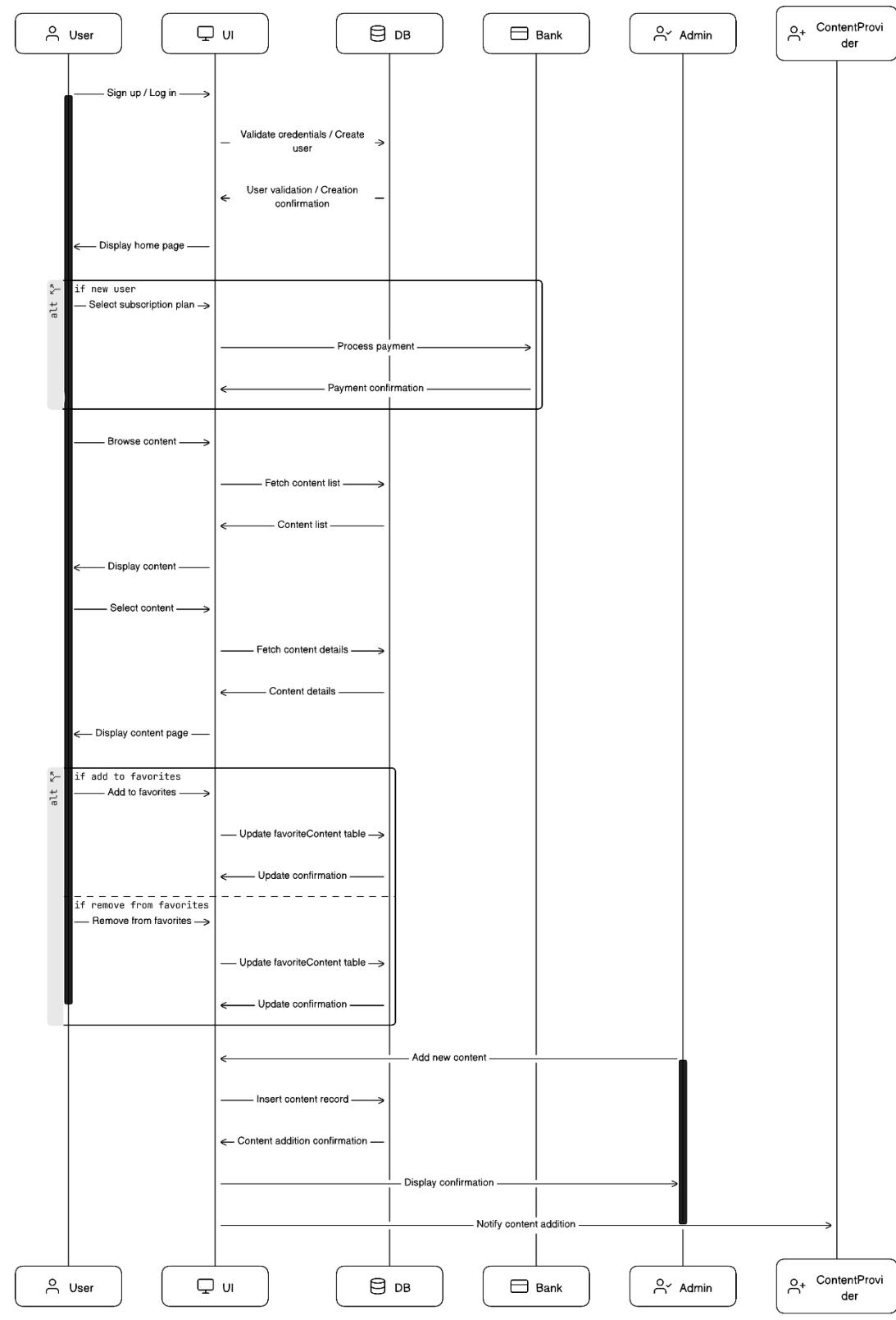
- EGYEast is assumed to be compatible with the various platform's computer, phones, and web browsers on which it has been loaded for customer or user.

## 3- Project Diagrams

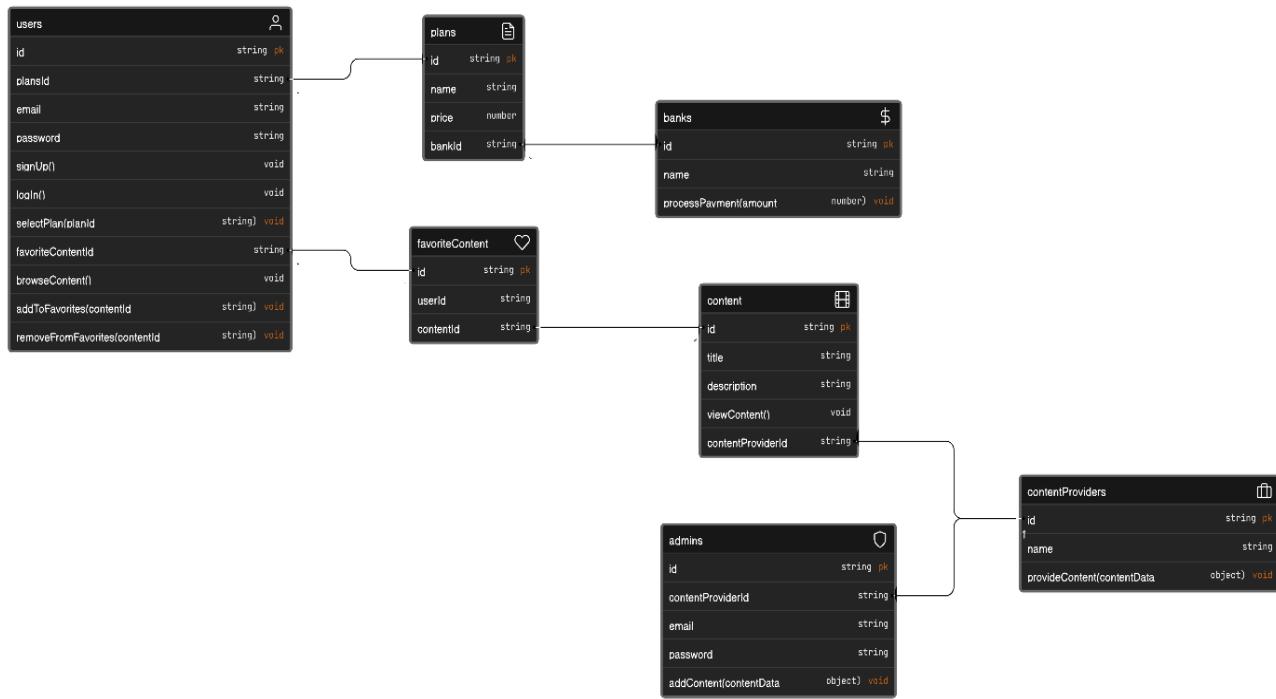
### 3.0.1 Activity Diagram



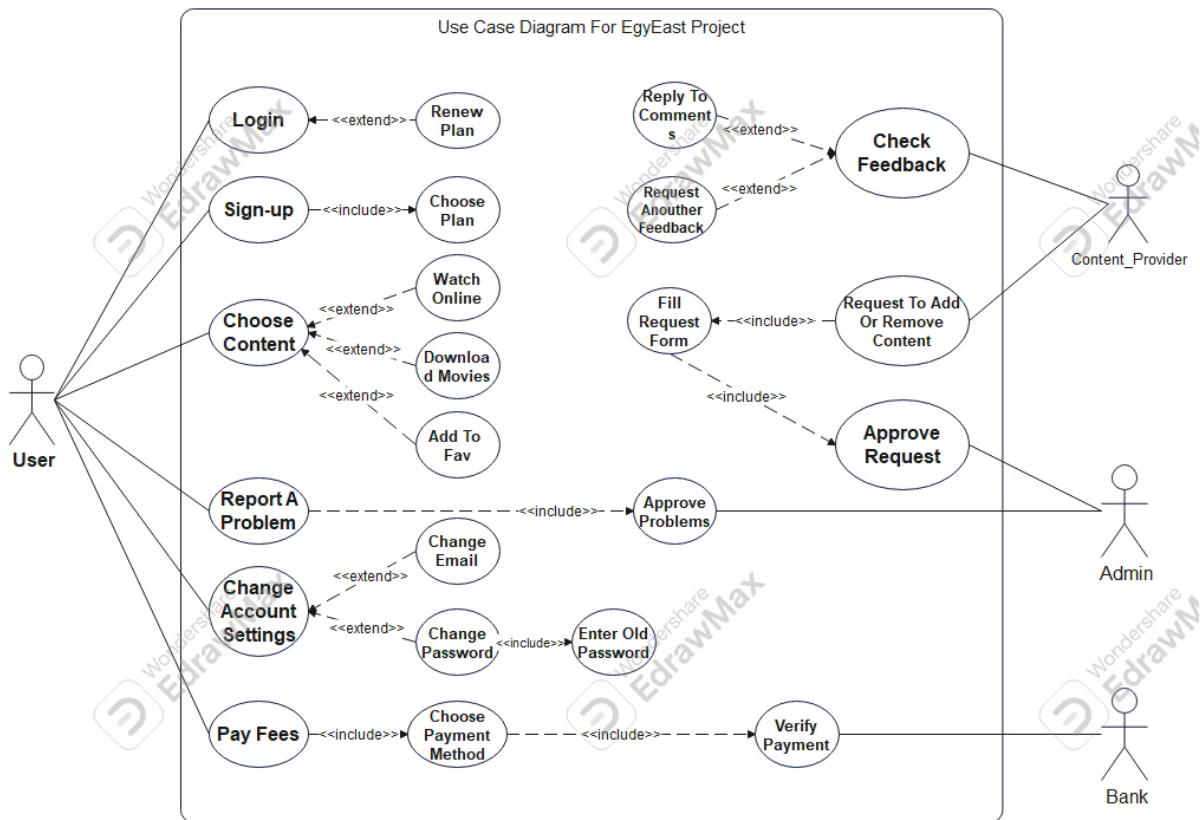
### 3.0.2 Sequence Diagram



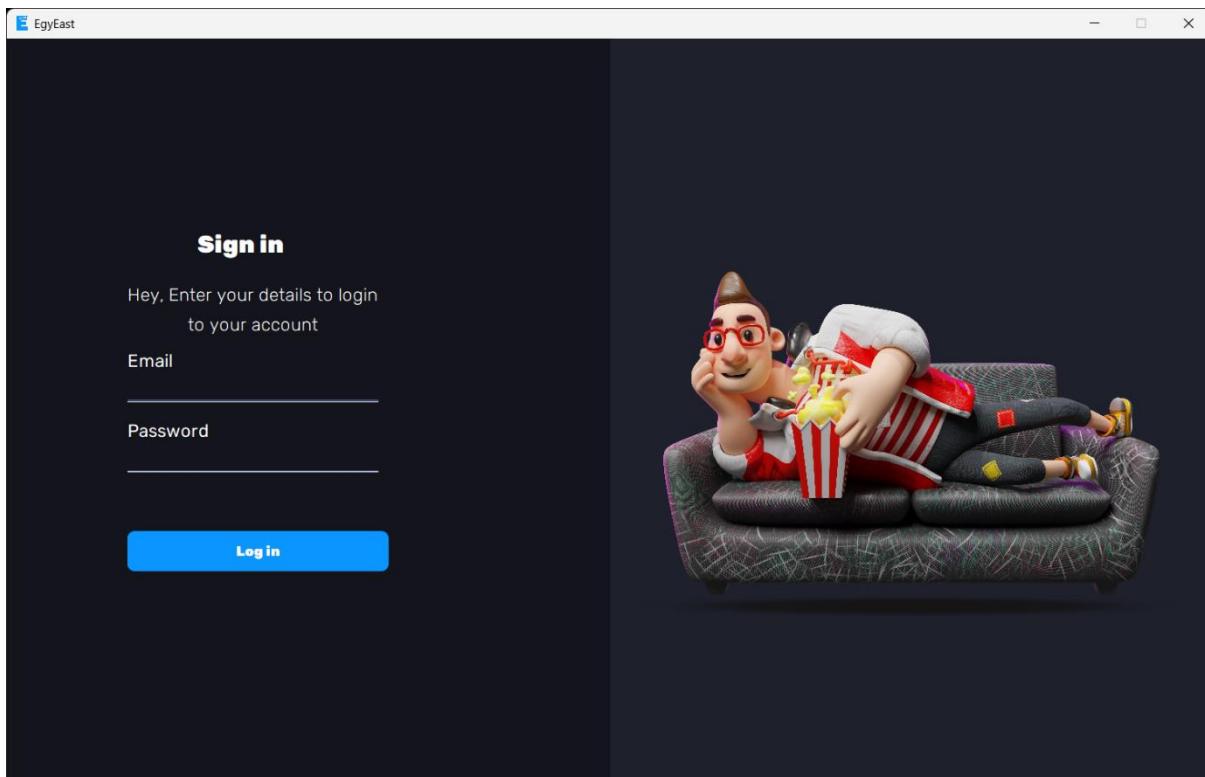
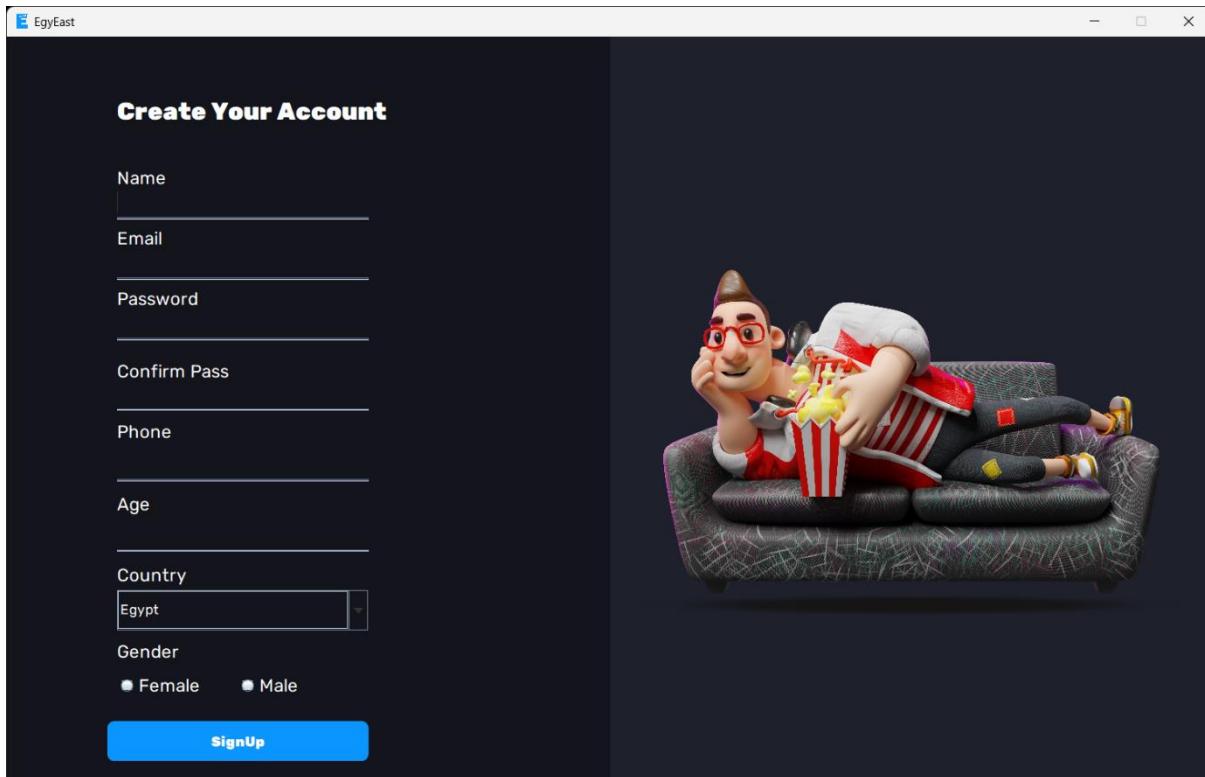
### 3.0.3 Class Diagram



### 3.0.4 Use Case Diagram



## 4. EgyEast Desktop Application (Screens)





EgyEast

# EgyEast

Profile

## AhmedElmalky

GOLD PLAN

**Personal Details**

Name: AhmedElmalky

Gender: Male

Country: Egypt

Age: 20

**Contact Details**

Phone: 01010101

Email: AhmedElmalky@gmail.com

**Account Details**

Old password:

New password:

Retype new password:

**Plan Details**

- Gold Plan
- Platinum Plan
- Diamond Plan

Change Plan

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