

## **SRS Document**

**Team ID:** (64)

Problem Corner (Stack Overflow)

**TA:** Mohamed Samir

 Yousef Sameh Mahmoud (Sec 6)

 Magdy George William (Sec 4)

 Moamen Ashraf Ali (Sec 5)

 Ahmed Osama Mansour (Sec 1)

 Yousef Salah Abdelrahman (Sec 6)

 Yousef Khaled Abdelhamed (Sec 6)

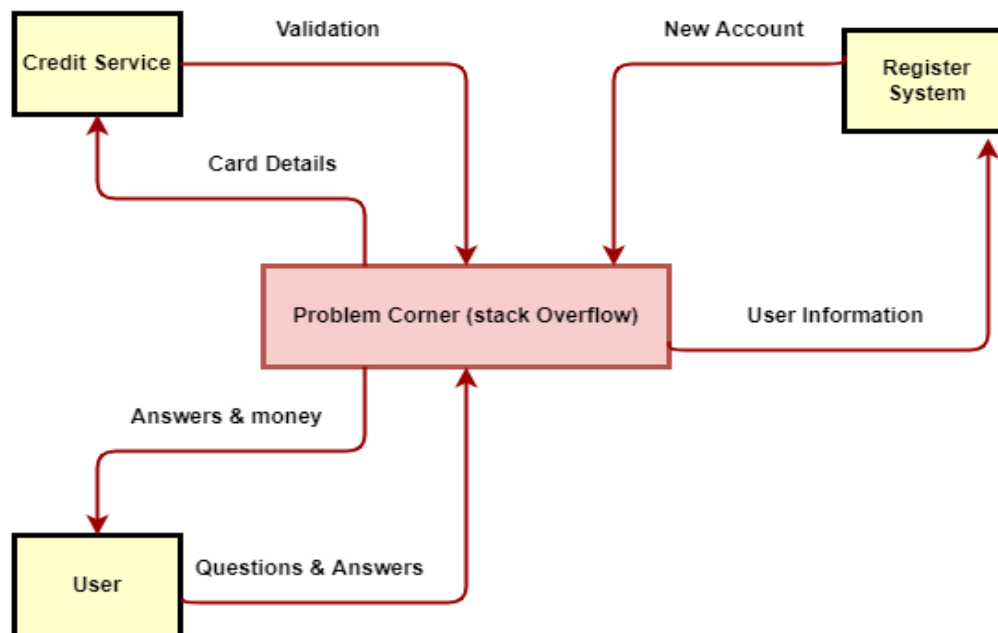
 Mario Shafiek kamal (Sec 4)

## 1. Introduction

The system helps developers to solve their technical problems in many fields. User can post question and get an answer from other users and also can answer a question and up vote answers and questions. User also can gain money from his answers.

The system interacts with some external systems like register system (Facebook – Google) and credit service system.

## 2. Context Diagram



### 3. User Requirements

1. Each user can create an account and log in.
2. Each registered user can ask a question or answer a question.
3. Any user can browse any exist question generally or with specific tag.
4. Each registered user can up vote a question or answer.
5. Each registered user can modify or delete his questions and answers.
6. A system should have an admin to manage users.

### 4. Functional Requirements

#### 1-Upvote Answer

- Description: User up votes an answer.
- Inputs: Nothing.
- Source: User.
- Pre-condition: Should a user have an account to up vote an answer.
- Post-condition: Nothing.
- Output: Nothing.

#### 2- Post Question

- Description: This function allows the user to publish a specific question with specific tag.
- Inputs: question and tag.
- Source: User.
- Pre-condition: Should a user have an account to post a question.
- Post-condition: Nothing.
- Output: post will published.

#### 3-Sort answer

- Description: sorting answers by highest vote.
- Inputs: votes of each answer.
- Source: User.
- Pre-condition: Nothing.
- Post-condition: Nothing.
- Output: answers are sorted.

#### **4- Sign Up:**

- Description: Function that allows user to create an account.
- Inputs: User name, e-mail and password.
- Source: User.
- Pre-conditions: check if the account is already not exist.
- Post-conditions: Nothing.
- Output: display success message.

#### **5- Filter questions based on tag**

- Description: filter question based on categories of tag
- Inputs: tag.
- Source: User.
- Pre-condition: Category of Tags that user search on it is available, internet connection and user have account.
- Post-condition: Nothing.
- Output: questions with matched tag.

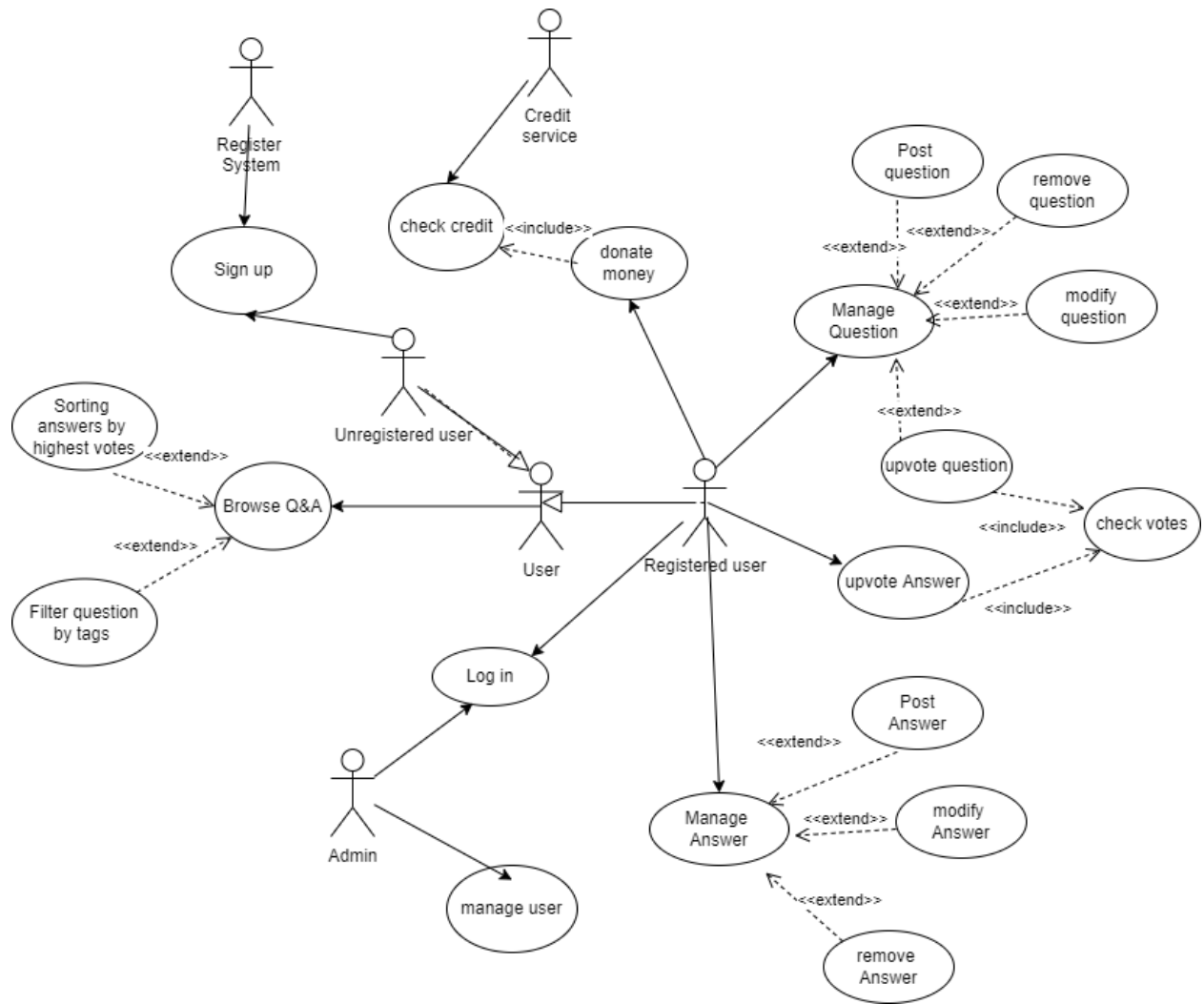
#### **6- Browse Q&A**

- Description: The function display the questions and answers that are similar with searched question.
- Input: The searched question.
- Source: User.
- Pre-condition: check if similar questions are exist.
- Post-condition: Nothing.
- Output: display the result of search.

### **5. Non-Functional Requirements**

1. Speed: browse Q&A, sort questions and filter questions take short time.
2. Usability: The interface is user-friendly and easy to use.
3. Security: Only the users with the role “system admin” can view the user’s information.
4. Size: initially size 2GB.
5. IDE: Microsoft visual studio.
6. Programming language: C# & MYSQL.
7. Development method: Agile method (incremental method).

## Use case diagram



## Sequence diagram (Browse Q&A)

