<Just Ask>

Use-case Specification

Version <1.0>

Revision History

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# 1. Introduction

#### Purpose

This report describes the use-case model comprehensively, in terms of how the model is structured into packages and what use cases and actors there are in the model.

#### Definitions, Acronyms and Abbreviations

See Glossary.

#### References

Glossary.

Use-Case: < Register >

**Brief Description**

User registration personal account

**Actor Brief Descriptions**

User: the subject of questions and answers

**Preconditions**

None

**Stakeholders and Interests:**

1. The server should determine whether the user name is registered

2. The web page should determine whether the user password is a weak password

Basic Flow of Events

1. The user enters the user name

2. The user enters the password

3. User confirm password

4. User registration is successful

# The use case ends.

Alternative Flows

1a. Username is already in use

1. Prompt to change user name

2a. User password is weak

1. Prompt to change the password

3a The user entered the password incorrectly twice

1. Prompt for input errors

Post-conditions

Update relevant data. Jump to login page

Special Requirements

The web page should prompt the user of the characteristics of a strong password (consisting of uppercase letters, lowercase letters and numbers, and at least eight digits)

Additional Information:

**Frequency of Occurrence:** Only occurs when the user is registered.

Use-Case: < Login >

**Brief Description**

User login personal account

**Actor Brief Descriptions**

User: the subject of questions and answers

**Preconditions**

User is already registered

**Stakeholders and Interests:**

1. The server should determine whether the user name is registered
2. The server should determine whether the user password is correct

Basic Flow of Events

1. The user enters the user name

2. The user enters the password

3. User login successfully

# The use case ends.

Alternative Flows

1a. Username does not exist

1. Prompt to change user name
2. Prompt to register.

2a. User password is incorrect

1. Prompt that the password is wrong

Post-conditions

Update relevant data. Jump to the landing page

Special Requirements

None

Additional Information:

**Frequency of Occurrence:** Occurs only when the user logs in. average value

Use-Case: < Ask Question >

**Brief Description**

User asks a question

**Actor Brief Descriptions**

User: the subject of questions and answers

Question: The subject of interaction with the user is only proposed by a single user, can be modified by multiple users, and can be answered by multiple users

**Preconditions**

User has logged in

**Stakeholders and Interests:**

1. The server should add the question to the question list

2. Web pages should limit the length of user questions

Basic Flow of Events

1. The user enters the question title

2. The user enters a description of the Question

3. The user asks the question successfully

# The use case ends.

Alternative Flows

1a. Question name is too long

1. Prompt to replace short question name

1b: No question name entered

1. Prompt for question name

2c: No question description entered

1.Prompt for question description

Post-conditions

Update relevant data. Jump to the Question page

Special Requirements

None

Additional Information:

**Frequency of Occurrence:** Occurs only when the user asks a question.

Use-Case: < Modify Question >

**Brief Description**

User modification Question

**Actor Brief Descriptions**

User: the subject of questions and answers

Question: The subject of interaction with the user is only proposed by a single user, can be modified by multiple users, and can be answered by multiple users

**Preconditions**

The user is logged in and the question has been created

**Stakeholders and Interests:**

1. The server should update the database

2. Web pages should limit the length of user questions

Basic Flow of Events

1. The user enters the question title

2. The user enters a description of the Question 3. User modification is successful

# The use case ends.

Alternative Flows

1a. Question name is too long

1. Prompt to replace short question name

1b: No question name entered

1. Prompt for question name

2c: No question description entered

1.Prompt for question description

Post-conditions

Update relevant data. Jump to the Question page

Special Requirements

None

Additional Information:

**Frequency of Occurrence:** Occurs only when the user asks a question. average value

Use-Case: < Answer Question >

**Brief Description**

User answers questions

**Actor Brief Descriptions**

User: the subject of questions and answers

Question: The subject of interaction with the user is only proposed by a single user, can be modified by multiple users, and can be answered by multiple users

Answer: The subject interacting with the question, a single answer can only be modified by the user who answered the question, and the user can only modify his own answer

**Preconditions**

The user is logged in, the question has been created, and the user has not answered the question

**Stakeholders and Interests:**

1. The server should update the database

2. The web page should determine whether the user has answered

Basic Flow of Events

1. The user enters an answer

2. The user answered successfully The end of the use case.

# The use case ends.

Alternative Flows

1a: The user has already answered the question

1. Guided answer modification interface.

Post-conditions

Update relevant data. Jump to the answer page

Special Requirements

None

Additional Information:

**Frequency of Occurrence:** Occurs only when the user answers.

Use-Case: < Modify Answer >

**Brief Description**

User modify answer

**Actor Brief Descriptions**

User: the subject of questions and answers

Question: The subject of interaction with the user is only proposed by a single user, can be modified by multiple users, and can be answered by multiple users

Answer: The subject interacting with the question, a single answer can only be modified by the user who answered the question, and the user can only modify his own answer.

**Preconditions**

The user has logged in, the question has been created, and the user has answered the question

**Stakeholders and Interests:**

1. The server should update the database

2. The web page should determine whether the user has answered

Basic Flow of Events

1. User modify answer

2. User modification is successful

# The use case ends.

Alternative Flows

1a. The user has not answered the question

1. Guided answer interface

Post-conditions

Update relevant data. Jump to the answer page

Special Requirements

None

Additional Information:

**Frequency of Occurrence:** Occurs only when the user modifies the answer.

Use-Case: < Search >

**Brief Description**

User search questions and answers

**Actor Brief Descriptions**

User: the subject of questions and answers

Question: The subject of interaction with the user is only proposed by a single user, can be modified by multiple users, and can be answered by multiple users

Answer: The subject interacting with the question, a single answer can only be modified by the user who answered the question, and the user can only modify his own answer

**Preconditions**

The user is logged in.

**Stakeholders and Interests:**

1. The server should return search results

Basic Flow of Events

1. User searches for questions and answers

2. The server returns the result The end of the use case.

# The use case ends.

Alternative Flows

1a. The user clicks search without entering anything

1.prompt to enter search content

Post-conditions

Jump to search page

Special Requirements

None

Additional Information:

**Frequency of Occurrence:** Occurs only when users search for questions and answers.