Quiz Maker

Requirements Specification and Analysis

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REQUIREMENTS ANALYSIS DOCUMENT[1]

The Requirement Analysis Document (RAD) should be written after the use case model is stable, that is, when the number of modifications to the requirements is minimal. The requirements, however, are updated throughout the development process when specification problems are discovered or when the scope of the system is changed.

Please set your word processor’s language to English, enable spell checker to detect the misspellings, and follow the formatting in this document.

# Introduction

The purpose of this section is to provide a brief overview of the function of the system and the reasons for its development, its scope, and references to the development context (e.g., reference to the problem statement written by the client, references to existing systems, feasibility studies). The introduction also includes the objectives and success criteria of the project[1].

## Purpose of the System

## Scope of the System

## Objectives and Success Criteria of the Project

## Definitions, Acronyms, and Abbreviations

This subsection should provide the definitions of all terms, acronyms, and abbreviations required to properly interpret the RAD.

## Overview

This subsection should:

* Describe what the rest of the RAD contains
* Explain how the RAD is organized.

# Current System

If the new system will replace an existing system, this section describes the functionality and the problems of the current system. Otherwise, this section describes how the tasks supported by the new system are accomplished now.

# Proposed System

Documents the requirements elicitation and the analysis model of the new system

## Overview

Presents a functional overview of the system.

## Functional Requirements

Describes the high-level functionality of the system.

## Nonfunctional Requirements

Describes user-level requirements that are not directly related to functionality. This includes usability, reliability, performance, supportability, implementation, interface, operational, packaging, and legal requirements.

### Usability

### Reliability

### Performance

### Supportability

### Implementation

### Interface

### Packaging

### Legal

## System Models

Describes the scenarios, use cases, object model, and dynamic models for the system. This section contains the complete functional specification, including mock-ups illustrating the user interface of the system and navigational paths representing the sequence of screens.

### Scenarios

Scenario Name: Login

Participating Actor : Mert: User

**Flow of Events:**

1. He is at login page screen .He enterd email and passsword so, he login button click.
2. User can see 3 option;
3. If user leave blank any area that is email/user name or password, user sees message that Usernema or password recheck please.
4. If user entered false email/user name or password, , user sees message that Usernema or password recheck please.
5. İf user dont do any mistake, user login in system.
6. He clicks logo ut button and exit account and he returns login page.

Scenario Name: Log out

Participating Actor : Atilla: User

**Flow of Events:**

1. He is at login page screen and he entered email/username and password and click “Log In”

Button.

1. He is click log out button, and he is exit system in addition he returns login page.

Scenario Name: Join Quiz

Participating Actor : Begüm: User

**Flow of Events:**

1. She is login at login page screen and she goes home page.

2.) She sees home page for user.She click “public quiz” button after she sees list of public quiz. She selects one quiz after she join a quiz. She starts answer to question. She finishs quiz she return list of public quiz page.

1. He is click log out button, and he is exit system in addition he returns login page.

Scenario Name: Create Quiz and Search User

Participating Actor : Selin: User

**Flow of Events:**

1. She is login at login page screen and she goes home page.
2. She click create quiz and she goes create create quiz page.
3. She selects a question type and she enters to correct answer in additon she entered question.
4. She as much as question number replys.
5. She selects start time and end time.
6. If she searchs user that is user name/email. She sees user profil and she adds user fort his quiz.
7. She click start quiz button and quiz will start.

Scenario Name: Edit Profile

Participating Actor : Deniz: User

**Flow of Events:**

1. She is login at login page screen and she goes home page.
2. She clicks profil button.
3. She sees that information of own.she clicks edit button, so she changes user email, password, first name and last name or gender.
4. She clicks saves button and amendents save, after she returns profil page.
5. She click home page button, so she click log out button. She will log out of system.

Scenario Name: Result Quiz

Participating Actor : Ali : User

**Flow of Events:**

1. He is login at login page screen and she goes home page.
2. He clicks Result Quiz of Participation button click.
3. He sees list of participation quiz. He selects any quiz.
4. He sees which question is true or false. If question is classic, he will get point of question.
5. He clicks home page button and he clicks log out button, so its log out of system.

Scenario Name: Result Quiz2

Participating Actor : Veli : User

**Flow of Events:**

1. He is login at login page screen and she goes home page.
2. He clicks My Create Quiz Result button click.
3. He clicks finished quiz button.
4. He sees list of participation quiz.
5. He selects any quiz.
6. He sees who is participation, answer of question, percent of correct answer.
7. He clicks home page button and he clicks log out button, so log out of system.

Scenario Name: Edit Quiz

Participating Actor : Veli : User

**Flow of Events:**

1. He is login at login page screen and she goes home page.
2. He clicks My Quizzes Result button click.
3. He clicks not started quiz button.
4. He sees list of not started quiz. He will changes quiz question or quiz start or end date.
5. He click homa page button and he clicks log out button, so he log out of system.

Scenario Name: Delete Quiz

Participating Actor : Veli : User

**Flow of Events:**

1. He is login at login page screen and he goes home page.
2. He clicks My Create Quiz Result button click.
3. He clicks not started quiz or finished quiz button.
4. He sees list of quiz.
5. He wants to Delete “ Quiz1” and He clicks delete button that is near by quiz name Delete button.
6. System asking a user is “ Are you sure” and system shows yes or no button.
7. He clicks yes button and he deletes Quiz1.
8. He clicks home page button and he clicks log out system, So he log out of system.

Scenario Name: Register

Participating Actor : Ahmet : User

**Flow of Events:**

1. He is at login page. He wants to login in to system but he hasnt any account for Quiz Maker.
2. He clicks register label. He entered information of name, e-mail, password for this application and he selects any user name this application.He clicks register button and;
3. He enteres wrong/false/used e-mail address, so he sees error message and he returns register page.
4. He enteres used user name or select bad user name, so user sees error message and returns register page.
5. He enteres short password or not entered any password, so he sees error message and returns register page.
6. He will register.

### 

### Use case model

A use case is a generalization of a number of scenarios. Therefore, the number of scenarios must be equal to or greater than the number of use cases.

### Object model

The analysis object model, depicted with UML class diagrams, includes classes, attributes, and operations. The analysis object model is a visual dictionary of the main concepts visible to the user.

### Dynamic model

The dynamic model is depicted with sequence diagrams and with state machines. Sequence diagrams represent the interactions among a set of objects during a single use case. State machines represent the behavior of a single object (or a group of very tightly coupled objects). The dynamic model serves to assign responsibilities to individual classes and, in the process, to identify new classes, associations, and attributes to be added to the analysis object model.

When working with either the analysis object model or the dynamic model, it is essential to remember that these models **represent user-level concepts, not actual software classes or components.**

### User interface—navigational paths and screen mock-ups

## Project Schedule

Prepare Gannt Chart, and add it to this section.

# Glossary

To establish a clear terminology, developers **identify the participating objects** for each use case. Developers should **identify, name, and describe them** unambiguously and collate them into a glossary.

# References

This subsection should:

* Provide a complete list of all documents referenced elsewhere in the RAD, or in a separate, specified document.
* Identify each document by title, report number - if applicable - date, and publishing organization.
* Specify the sources from which the references can be obtained.

The following is an example of listing a book in this section. Check the text to see how it is cross referenced (The whole document is based on [1]).

1. Bruegge B. & Dutoit A.H.. (2010). *Object-Oriented Software Engineering Using UML, Patterns, and Java*, Prentice Hall, 3rd ed.