

LOGIN AND GIVE TEST

SOFTWARE REQUIREMENT SPECIFICATION

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1. Introduction

1.1 Purpose:

The purpose of this document is to capture in natural language and functional level, the description and requirement of project.

Here is short discussion of each requirement.it describes functional and non-functional requirements.

1.2 Scope:

The software system will be multiple choice questions like quiz
Where user can get this quiz and can see score.

1.3 Definition, acronym and abbreviation

1.3.1 Login:

Login is software to help system and user to login with their own data which is already exist .

1.3.2 Quiz:

Quiz software can access by user to give test.

1.3.3 Reference:

ProbuZ and trainer

1.3.4 Overview:

This is working and as such is subject to change. this information will serve as framework for current definition and future evolution of this project.

2. Overall description

2.1 Product perspective:

Login and give Test is meant to serve as a common platform where registered user can login and give test and check score. it is user friendly user can easily give test.

2.2 User interface

This product shall provide a very simple interface to the user so that user can easily login and select option for give test.

2.3 Software interface

Visual studio code where code create in cpp programming logic. this is incomplete description.

2.4 Hardware interface

Client side:

Laptop and computers , monitor screen ,keyboards, using this user interact with system.

3. Product Function

1. Context diagram:

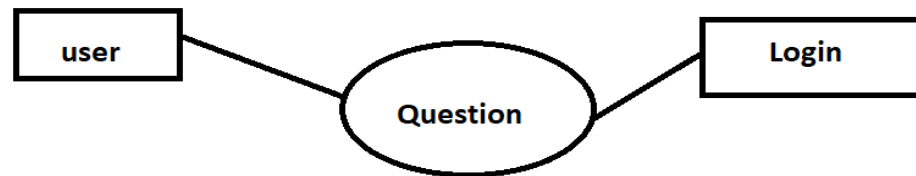


fig.1.context diagram

2. Use case diagram:

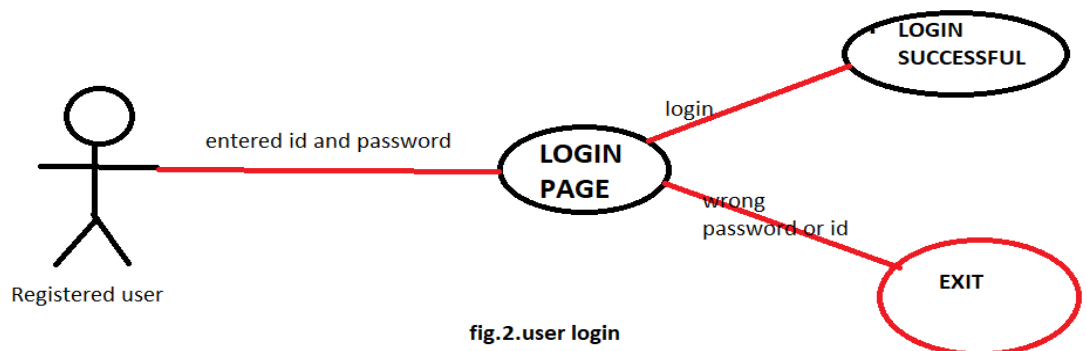


fig.2.user login

3. Menu selection

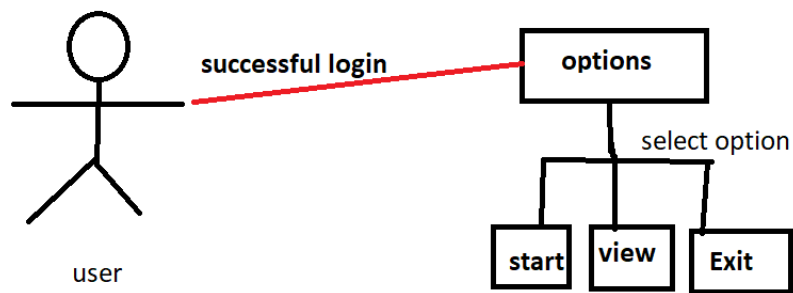


fig.3. Menu selection

4. Start test

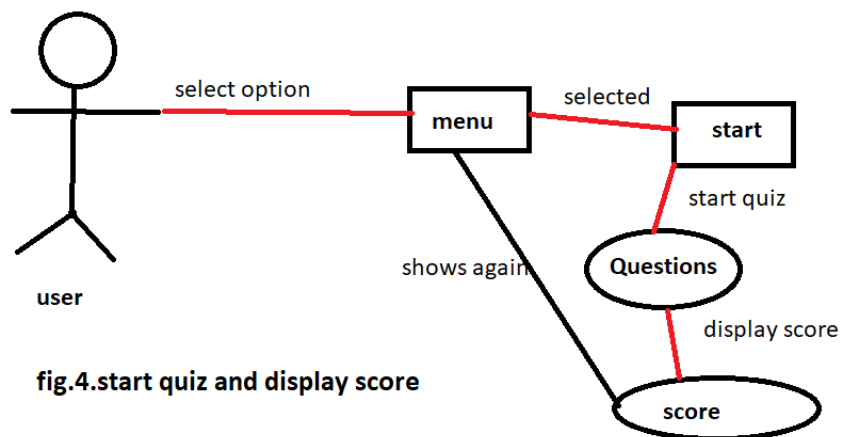


fig.4.start quiz and display score

5. Use case description

5.1 fig. user login

Already registered user who has known his login name and password login with his details .if login successful is shows login successful otherwise it shows password is wrong and exit .

5.2 fig. Menu selection

After successful login shows next screen of menus where user have to choose any option if he want to give test then select start option ,for view score select view option and for back select exit option.

5.3 fig. Start quiz /test

If user select start option on next screen showing questions one by one user have to select right option If option is right screen shows correct or shows wrong answer with correct option. after completion of questions On screen shows directly obtained score.

6. User Characteristics

User:

User is primary user who accessing software for get test.

7. Constraint

7.1. User interface constraint

Using this software is simple and intuitive and user can familiar with this software very easy.

7.2. Software constraint

The software will be run on any IDE or command Prompt.

7.3. Hardware constraint

The system should work on desktop and laptop.

7.4. Design standard compliance

This software shall be run on console app in c++ programming language.

8. Specific requirement

8.1 Functional requirement

a. use case scenario-user login

b. use case scenario-give test

a. Use case scenario-user login

Purpose	User logs into software using existing profile.
User	A user with an existing profile.
Input data	Profile username and password.
Output data	Corresponding data.
Pre-condition	User is not logged into a profile input profile matches with existing data.
Post-condition	Matched with existing data login successful.
Basic flow	Matched data with existing data it matches shows logging successful Otherwise shows wrong password.

b.Use case scenario-give test

Purpose	A user wants to start quiz(test).
User	A legitimate user logged into the software(system).
Input data	Start quiz.
Output data	Shows obtained score.
Pre-condition	User is logged into system shows menu on screen to select menu.
Post-condition	User wants to start quiz and see score
Basic flow	The user select menu and start test after complete test on screen directly shows score.

8.2. Performance requirement

The system support one at time who already registered
With his details.

8.3. Design constraint

The software(system)/product will be written in c++
Programming language output must compatible with
console app.

8.4 Software system attributes

1. Visual studio code
- 2.RAM(memory).

8.5 Reliability

The reliability of the overall program depend on the
Separate components.

8.6 Availability

The system code should available in laptop or computers
for perform or run code.

8.7 Portability

This software run on other IDE also.