

Quality Coders

Use Case Definition

Actors:

1. **User:** A person using the system via browser of his computer
2. **Admin:** A person keeping record of the user and the questions

Use Case for User

- UC1.** User creates account/Register
- UC2.** User logs in
- UC3.** User logs out
- UC4.** User edits profile
- UC5.** User practice
- UC6.** User takes Exam
- UC7.** User views progress/History and reviews questions
- UC8.** User views Home page

Use Case for Admin

- UC9.** Admin logs in
- UC10.** Admin logs out
- UC11.** Admin Validates User Profile and defines the period of subscription for the User
- UC12.** Admin edits/deletes questions for the test
- UC13.** Admin adds questions for the test

User Actor:

ID	UC1
Title	User Registration
Description	First time user clicks the register tab to register
Actor	User
Preconditions	Non registered user
Post-Conditions	<ol style="list-style-type: none">1. User can access the practice test, exams for a known period of time2. User information is saved in the database to be reviewed by Admin
Normal Flow	<ol style="list-style-type: none">1. User clicks the register tab2. Enters personal information<ol style="list-style-type: none">a. First Nameb. Last Namec. Email addressd. Passworde. Date of Birthf. Address
Exceptions	<ol style="list-style-type: none">1. Email address is invalid2. Date of birth is invalid
Date Updated	10/30/2015

ID	UC2
Title	User Login
Description	User can login to access his account
Actor	User
Preconditions	User needs valid username and password
Post-Conditions	<ol style="list-style-type: none"> 1. User enters the homepage and can take exams or practice tests, evaluate his performance, edit his information, or logout 2. Login initiates a session timer.
Normal Flow	User enter username, password and clicks login tab or hits enter
Exceptions	User name is invalid, password is wrong
Date Updated	10/30/2015

ID	UC3
Title	User Logout
Description	User logout from his account
Actor	User
Preconditions	User is logged in
Post-Conditions	User logout and enters the login page
Normal Flow	<ol style="list-style-type: none"> 1. User clicks logout 2. Session timeout
Exceptions	
Date Updated	10/30/2015

ID	UC4
Title	Profile Edit
Description	User can edit his or her information
Actor	User
Preconditions	User is logged in
Post-Conditions	User information is updated in the database
Normal Flow	<ol style="list-style-type: none"> 1. User clicks the profile edit tab 2. User edits personal information
Exceptions	-
Date Updated	10/30/2015

ID	UC5
Title	User Practice
Description	User can take practice tests to evaluate his performance
Actor	User
Preconditions	<ol style="list-style-type: none"> 1. User is logged in 2. User is on homescreen 3. User profile is in the subscription period
Post-Conditions	<ol style="list-style-type: none"> 1. User submits the practice test 2. User reviews the results
Normal Flow	<ol style="list-style-type: none"> 1. User is on the homescreen 2. Clicks Practice 3. Choose a Practice test 4. Submits the tests
Exceptions	User subscription is ended
Date Updated	10/30/2015

ID	UC6
Title	User Exam
Description	User can take Exams
Actor	User
Preconditions	<ol style="list-style-type: none"> 1. User is logged in 2. User is on homescreen 3. User profile is in the subscription period
Post-Conditions	<ol style="list-style-type: none"> 1. User submits the Exam 2. User reviews the results
Normal Flow	<ol style="list-style-type: none"> 1. User is on the homescreen 2. Clicks Exam 3. Submits the tests
Exceptions	User subscription is ended
Date Updated	10/30/2015

ID	UC7
Title	User views History and review questions
Description	User reviews his/her exam results or practise results
Actor	User
Preconditions	<ol style="list-style-type: none"> 1. User is logged in 2. User is on homescreen 3. User profile is in the subscription period
Post-Conditions	<ol style="list-style-type: none"> 1. User looks at the dynamic chart of his results
Normal Flow	<ol style="list-style-type: none"> 1. User is on the homescreen 2. Clicks History
Exceptions	User subscription is ended
Date Updated	10/30/2015

ID	UC8
Title	User Views Homepage
Description	User can choose options from the homescreen
Actor	User
Preconditions	1. User is logged in
Post-Conditions	1. User can edit profile, take exam, practice test, view history or logout
Normal Flow	1. User logged in 2. User clicks Home from current screen
Exceptions	---
Date Updated	10/30/2015

User Admin:

ID	UC9
Title	Admin Login
Description	Admin login information to maintain the User accounts
Actor	Admin
Preconditions	Requires username and password
Post-Conditions	Admin screen
Normal Flow	Admin enters username and password
Exceptions	1. unassigned admin 2. incorrect password or username
Date Updated	10/30/2015

ID	UC10
Title	Admin Logout
Description	Admin logout
Actor	Admin
Preconditions	Admin is logged
Post-Conditions	login screen
Normal Flow	Admin clicks logout
Exceptions	
Date Updated	10/30/2015

ID	UC11
Title	Admin Validates/Updates User Profile
Description	Every User's information and subscription period is validated by the admin after registration or any information change
Actor	Admin
Preconditions	<ol style="list-style-type: none"> 1. Admin is logged-in 2. Pending User validation 3. Updates User information 4. Updates User subscription
Post-Conditions	<ol style="list-style-type: none"> 1. Admin sends user an email regarding the validation and subscription
Normal Flow	<ol style="list-style-type: none"> 1. Admin receives new user registration request or update information request 2. Admin reviews the new request and send confirmation 3. Admin enters password to update user information and subscription
Exceptions	Incorrect password
Date Updated	10/30/2015

ID	UC12
Title	Admin Edits/Deletes questions for the test
Description	Admin can edit/delete the question in the database
Actor	Admin
Preconditions	<ol style="list-style-type: none"> 1. Admin is logged in 2. Admin clicks Edit/Delete tab
Post-Conditions	<ol style="list-style-type: none"> 1. Questions are saved
Normal Flow	<ol style="list-style-type: none"> 1. Admin clicks the Edit/Delete icon 2. All the database questions are displayed 3. Admin can select a question which he wants to edit/delete 4. A new page will popup if Admin selected to delete question 5. Admin saves the database
Exceptions	There are no questions in the database
Date Updated	10/30/2015

ID	UC13
Title	Admin adds questions for the test
Description	Admin can add questions in the database
Actor	Admin
Preconditions	Admin is logged in
Post-Conditions	All the questions are added to the database
Normal Flow	<ol style="list-style-type: none"> 1. Admin clicks the Edit icon 2. All the database questions are displayed 3. Admin can select a question which he wants to edit 4. A new page will popup where Admin can edit the question 5. Admin saves the database
Exceptions	
Date Updated	10/30/2015