***ASQ QUIZ WebApp Requirements***

*This WebApp will provide a platform for students/users of ASQ to study in QA methodology*

***System Requirements***

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| --- | --- |
| **Server Side** | **Client Side** |
| **Operating System:** Windows Server, Linux  **Processor:** 64bit  **RAM:** 1GB *recommended*  **Storage :** 8GB *min* | **Operating System:** Windows, Linux, Mac  **Processor:** 32bit/64bit  **RAM:** 512mb *min*  **Internet Browser:** Any Browser |

*\*\*Application can run on a 32bit Server but it cannot store date more than 2GB on the database. A 32bit Server can be used for small scale and/or for development purposes.*

***Functional Requirements***

**Existing Application**

1. The user shall create an account in the system
   1. The user shall provide full name (first name and last name)
   2. The user shall provide a valid formatted email address (e.g. xxxxx@yyyyy.zzz)
   3. The user shall provide a password
   4. The user shall provide date of birth
   5. The user shall provide the address
   6. The user shall provide city
   7. The user shall provide state
   8. The user shall provide the phone number
2. The admin shall be able to add questions
3. The admin shall be able to delete questions
4. The admin shall be able to edit questions
5. The system shall be able to send email confirmation to users after their successful registration
6. The system shall be able to able to check for valid subscription every time the user login the application
7. The system shall be able to show a message of session expire when user exceeds the particular time duration provided
8. The system shall be able to send email to user after changing the password
9. The system shall be able to show dynamic charts for each exam record
10. The system shall be able to update the user info based on the selection

**Current Release Requirements**

1. Improve the **User Interface** to have clean and user friendly interface
2. Increase **Data Security**
3. **Stress Test** the application
4. Populate Database with **More Questions**
5. Ready WebApp for Client Delivery

***Developer Suggested Improvements for Current Release***

1. Two-Factor Authentication for User Registration – *Security*
2. DB Encryption – *Security*
3. Responsive Multi Platform usage – *UI*
4. Complete Website with FAQ, HELP & CONTACT – *UI*
5. Convert Browser Alerts/Notifications into Page Alerts/Notifications – *UI*
6. Bulk Import Question and Answers to Database – *Ease of Access(Admin)\*\*Future*
7. Improve App Efficiency – *Overall*