

Useful links

<u>Description</u>	<u>URL</u>
How to make a web app	https://www.netsolutions.com/insights/how-to-build-a-web-app/
Github example - Maths revision app	https://github.com/luqmanl/maths-revision-app/tree/master/Documentation
Creating the quiz db	https://mysql.tutorials24x7.com/blog/guide-to-design-database-for-quiz-in-mysql
Example of quiz db	https://community.wappler.io/t/quiz-app-database-design/33054
MCQ Quiz db example	https://stackoverflow.com/questions/7102521/database-design-for-developing-quiz-web-application-using-php-and-mysql
Implementing authentication	https://www.youtube.com/watch?v=dam0GPOAvVI https://www.youtube.com/watch?v=71EU8gnZqZQ https://hackersandslackers.com/flask-login-user-authentication/
User profile creation	https://www.oracle.com/technetwork/topics/ux/applications/user-profile-template-1884996.pdf

MoSCoW Approach

Must Have (Cannot do the web app without them)

- Present the user with questions
- User must be able to input and submit an answer
- Program determines whether the user's answer matches the correct answer
- Program tells the student if their answer is correct
- Program keeps a running score of correct answers for each quiz

Should have (must have over the long run)

- Provide the user with hints/revision sites if they give the wrong answer.
- Allow users to build and edit their profile page
- User authentication
 - Log in and register page

Could have (Minor/low-cost tweaking)

- Users create their own flashcards
- Allow users to review and modify their answers

- Have a leaderboard to compare scores.

Won't have

Tasks:

- Create database
 - Users table
 - Users answer table
 - Quiz table (with the names of the different topics)
 - Question and answer table (one for each quiz)
- Create the front-end
- Identify profile changes that could