

IT-414 Lab-9

Software Project Management

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Question 1. Project activities:

1. Server - Set up the server and landing page with routing
2. Database - Make a database to store the information about various yoga exercises. The database will also store the user information.
3. UI/UX - This involves making a sample UI layout of the project to figure out the themes and positions of various elements on the website.
4. Home page - Product welcome page showing the features and contact information along with sign up portal.
5. Sign Up - Allows the user to sign up to the website.
6. Login - Allows the existing user to login into the website.
7. Dashboard - It shows a list of various yoga exercises.
8. Search - It allows users to search for yoga exercises by their name.
9. Exercise details: After clicking on the exercise, users will be shown the information about the exercise where they have an option to bookmark the exercise, log their exercise duration, view the target muscle animation and the image/GIF on how to perform the exercise. Some difficult exercises will have links to the video tutorial.
10. Muscle Animation: This will highlight various body muscles involved in the exercise.
11. Bookmark - It shows a list of exercises saved by the user.
12. Profile - It allows the user to build up a unique profile of their own.
13. Update Profile - The user can update the existing profile.
14. Analytics: The user can see the exercises they have done in the recent past to keep a track of their fitness.
15. Feedback - Users can give their feedback for the website as in what can be done to improve the website.
16. Notification - Users will get confirmation notifications about their activities like Like and Bookmark.
17. Log out - The user can choose to log out from the website or remain logged in for daily use via cookies.

Question 2. Dependencies:

1. Server - None
2. Database - Server
3. UI/UX - None
4. Home page - None
5. Sign Up - Home Page, Server, Database
6. Login - Home Page, Server, Database
7. Dashboard - Login, Server, Database, UI/UX
8. Search - Login, Dashboard, Database
9. Exercise details: Login, Database, Dashboard.
10. Muscle Animation: Login, Search, Database
11. Bookmark - Login, Search, Database
12. Profile - Login, Database, UI/UX
13. Update Profile - Login, Database, Profile
14. Analytics: Login, Profile, Database
15. Feedback - Login, Database
16. Notification - Login, Bookmark, Server
17. Log out - Login, Server

Question 3. Estimated time:

1. Server : 13 hrs.
2. Home Page : 12 hrs.
3. Database : 5 hrs.
4. UI/UX : 18 hrs.
5. Signup : 3 hrs.
6. Login : 3 hrs.
7. Dashboard : 11 hrs.
8. Search : 8 hrs.
9. Exercise Details : 13 hrs.
10. Muscle Animation: 17 hrs.
11. Profile : 12 hrs.
12. Update Profile : 7 hrs.
13. Bookmark : 6 hrs.
14. Analytics : 14 hrs.
15. Feedback : 4 hrs.
16. Notification: 5 hrs.
17. Logout: 4 hrs.

Total Time : 136 hrs.

Question 4. Critical path:

Critical path duration - 86 hrs

