



SPHINX 2.0

(27th-29th September 2018)



HACK-E-APP

- An App Hackathon

Theme: Question and Answer Platform

The main aim of this hackathon-problem is to build a Question and Answer Application which will provide its users with the facility of asking their questions, sharing their knowledge and expertise and answering the questions asked by others. Users will be provided with the interesting problems belonging to their fields of interest which they can answer based on their experience. This system will act as a global platform for asking and answering the questions belonging to various fields.

You need to develop an app of at least 6 fragments, which will have following functionality:

1. Login-Page: -

The user can login with Email and password and has a facility of "Forgot Password". After Successful login, a user will be redirected to "Home" Page. User can also login through Facebook, Twitter, Google+ if he/she has done his registration using these methods.

2. Forgot Password Page: -

It will ask an email, which must be present in the Database and then it will send an email to the user with a random password, which can be changed later after log- in by the user.

3. Registration Page: -

This page will have "First Name", "Last Name", "Email", "Password", "Confirm Password", Registration facility through Google+, Facebook, Twitter and then update profile option. You can include other details as per your need. It will ask for the user's level of expertise (amateurs, professional, etc.).

4. Change Password Page- After login.

5. Home page: -

→ Display the asked Questions and the answers given for them according to the user's fields of interest

→ A user can ask a Question specifying the category to which it belongs

→ A user can answer the questions displaying on this page

→ Notifications

You can include other details as per your need.

6. User Profile Page:
 - a) Questions asked by the user
 - b) Profile Picture of the user
 - c) Answers Given by the user
 - d) Saved answers and posts
 - e) Number of people the user follows and those following him/her.
 - f) Selected fields of interestYou can include other details as per your need.
7. Pages displaying the list of people the user follows and those following him/her. Page will have the following features: -
 - a) Unfollowing the followers
 - b) Adding the following to the list of followers
8. Inclusion of the following features:
 - Upvote and Downvote the question and answer
 - Save the answer
 - Report the question or answer
 - Suggesting edits in answer
 - Comments
 - Follow the people who have posted the answers
9. Super Admin can perform the following functions: -
 - a) He/She can control that no inappropriate content is posted.
 - b) Super-admin can add fields of interest
 - c) Handling all the report requests
10. Extra marks will be provided for additional functionalities (OPTIONAL) like:
 - a. A way to check that if a question was already asked, then the user is informed that the answer is already available.
 - b. User can register and log in through Google+, Facebook, Twitter Account.
 - c. Display notifications in the notification panel

***** Marking will be done on basis of the number of functionalities you have implemented, Partial marking of functionalities is allowed (as per judge decision) *****

Marking Scheme (with respect to deliverables): Total 100 Marks.

1. Design of app - 30 Marks
 - a) Style
 - b) Attractiveness.

- c) Effectiveness of buttons (used for toggle across different fragments).
- 2. PPT + Presentation of content: minimum 4 pages - 30 Marks
 - a) Understanding of the problem (Adherence to theme).
 - b) Presentation skills.
 - c) Questionnaire section. (Proper answers to questions asked by judges) 2-5 minute at end.
- 3. Source code - 20 marks
 - a) Code scalability.
 - b) Quality of the code.
 - c) Accuracy (Correctness) in the app (Grammatical error).
 - d) Conciseness. (and Originality).
- 4. Abstract + Synopsis (Hand-Written or printed): 3pages only - 20 Marks
 - a) Documentation (quality). Must include Introduction/ Product Description/ Constraints (if any)/ Technology-Tools used.
 - b) Correctness.
- 5. Database Description if applicable - Extra 20 Marks
 - a) Proper ER-Diagram
 - b) Proper description of DB in ppt and Report.
- 6. New Technology And Dynamic Application. - Extra 20 Marks
- 7. Extra marks for the optional or new functionalities -20 marks (on each new functionality, as per judge decision).

Note:

- 1. No submission after the time described in schedule.
- 2. The app developed and submitted should be strictly in accordance with the Problem Statement.
- 3. The decision of the judges shall be treated as final and binding on all.
- 4. The participants (specially team leaders) should not leave the competition during the competition. Otherwise the team will be disqualified.
- 5. **No** further details (regarding the implementation) will be provided by the coordinators, coordinators can clarify the problem statement only.