

Introduction to Database Systems

veller

Project Proposal

Team Number: #9

Team Members:

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- **Description**

The project is a web platform for any chances abroad or even national that requires online submission, and concerning four committees; entertainment, social possibilities, contests and technical possibilities. Each committee would include set of posts—pages—that talks about one thing only, say an internship in a well-known company or scholarship for a Master in an abroad university. In such page, we would describe everything that the applicant needs to know before applying to it, like when will applications be due date, is it fully funded or not, how long would it be, applicant can be from which country, where will it be, what would the program and schedule be...etc.

Technical committee would include internships, scholarships (bachelor, master or PhD), and technical conferences. Contests would include online contests mainly and offline contests too. Social committee would include abroad volunteering, exchange programs, and non-technical conferences. Entertainment would include travelling programs to abroad countries and everything you need to prepare before going there, average money you should have and some tips.

Users of the website would open the website and find the 4 committees, after choosing one, there would be a list of all chances in such committee and there would be a search, which can be filtered upon many choices, like specialization, country, funded or not...etc. It is preferable for the user though to have an account on the website, which means his information would be stored, so he would find “recommendation” page that gathers posts concerning his specialization and skills, so that it would be easier to find suitable chances for him.

- **Users**

1. **Applicants** (undergraduate student or graduates)
2. **Organizations** (university, company, volunteering organization or a travel agency)
3. **Supervisors**
4. **Admins**

- **Functionalities**

1. **Applicant**

- He can apply to a scholarship, conference, internship, trips, exchange program...etc.
- He can add his own information to the website like skills, experience...etc.
- He can contact organizations asking for details about opportunities they are offering.
- He can contact supervisors via support tickets.
- He can search on the website for opportunities that fits him.

2. **Organization**

- It can offer scholarship, conference, internship, travel or a contest.
- It can view, approve or reject applicants' applications.
- It can modify add its own info to the website like industry, departments...etc.
- It can search for applicants that fit their requirements.
- It can contact supervisors via support tickets.

3. **Supervisor**

- He can review applicants and organizations profiles.
- He can help other users via support tickets.
- He can review posted opportunities and approve them to appear on the website.
- He can add opportunities he finds online from other organizations.
- He can ban other users if they didn't follow the website rules.

4. Admins

- They assign the supervisors of the website
- They have the source code of the website
- They update the website from coders side
- They can add or remove supervisors of the website

• Entities

1. Scholarships
 - a. Bachelor
 - b. Master
 - c. PhD
2. Internships
3. Contests
4. Volunteering
5. Exchange programs
6. Conferences
7. User account
 - a. Applicant
 - b. Organization
 - c. Supervisor
8. Applicant account
9. Organization Users
 - a. University/Institution account
 - b. Company/Organization account
 - c. Travel agency account
10. Supervisor account
11. Trips
12. Message
13. Support tickets

Memezone

- **Description**

Memes and comics are one of the top sources of entertainment on social networks. However, there is a platform specifically for memes. They usually have a lot of non-sarcastic content in them, but most people scroll the home page of the social network searching only for memes but they find much content rather than memes. So our idea is creating a social network for memes only, that has the functionalities of social networks but the shared content is only memes.

- **Users**

Users of Memezone and its functionalities are categorized as the following:

1. **The ordinary user:** He is our target user in the social network
 - He can post memes on his profile with captions on them.
 - He can react and comment on memes that he watched.
 - He can post replies on memes comments.
 - He can view memes posted from users who follows.
 - He can join memes group and view posted memes on them.
 - He can create memes group, invite other users to join it.
 - He can follow and unfollow users.
 - He can create meme pages and post memes on them.
 - He can add admins to pages he owns.
 - He can report inappropriate memes to be reviewed by the supervisors.
 - He can block and unblock other users.
 - He can communicate with supervisors using technical support tickets.
 - He can send messages to other users.
 - He can modify his own info on his profile.
 - He can post a story to his profile.

2. **Supervisor:** He is the reviewer of the content posted on the website.
 - He can review posted memes from all users on the website.
 - He can delete inappropriate posted memes.
 - He can view reports posted from users.
 - He can respond to technical support tickets posted from users.
 - He can review the content groups and pages of the social network.
 - He can delete the inappropriate content in groups or pages and also can delete the entire group or page.
 - He can ban users from the website.
3. **Admins** He has highest privileges as he is the controller of the website.
 - He can add new admins.
 - He can delete other admins if he is the first admin in the website.
 - He can add supervisors to the website.
 - He can remove supervisors from the website.
 - He can view the info of the users and supervisors.

- **Entities**

1. User
2. Meme
3. Comment
4. Reply
5. Support ticket
6. Group
7. Report
8. Message
9. Page
10. Story

Courses

- **Description**

It's a website that allows instructors to put some courses on it for students. After each course there is a quiz to make sure that everything is understood.

Students can sign in to our website and take these courses. There is a forum for questions about any course. There are courses in more than one specialization. Also there are some scholarships from a lot of schools.

- **Entities**

1. Course
2. Specialization
3. User
4. Quiz
5. Forum
6. Post
7. Comment
8. Reply
9. Support
10. Scholarships

- **Users type**

1. Instructor
2. Student
3. Supervisor

- **Functionalities**

1. Instructor

- Uploading course videos
- Uploading course materials (quizzes, documents and so on)
- Answering the questions of students
- Able to edit or delete the materials that he uploads
- Creating a forum discussing specific topics

2. Student

- Accessing the materials and downloading it
- Answering the quizzes and submitting its answer
- Asking questions
- Could reply to his colleague's questions
- Rating the courses

3. Supervisor

- Review the posts of the forums
- Review the data of the users
- Reply on support tickets posted by users
- Punish a student from taking a course if he cheated in quizzes
- Punish instructor from giving a course if he broke the website rules