

Synopsis

Name / Title of the project: Social Network.

Team Members:

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The problem statement: We as the developers face many problems such as rapid change in technology, time limitations and many others. Therefore we wanted to create a platform where different developers can help each other by asking questions and answering questions.

Reason for selecting the topic: As in the today's world there are millions and millions of applications are running and new applications are getting created every single day. Whenever a application is created there are many problems and bugs which arises from time to time and it is not possible for a single person to handle all of these things. As we all know that there is not a single person who is familiar or has mastered every technology which is present and now a days even a simple application requires a collection of technologies to create it. Our project which is a network for developers who knows different technologies and have mastered them can help each other by asking questions or answering others with help of our platform we aim to create a community of developers all around who wanted to change the world by helping each other and the developers who want to create future. Our platform also provides an option for creating resumes on the basis of which different MNCs can hire developers all around the world.

Objectives of the project: The main objective of this project is to help every person whether a student, teacher or a person working for an Organization. Our platform is a question and answer site for professional and enthusiast programmers. With the help of our users we aim to help everyone who wants develop or create anything for personal interest for shaping future in a brighter one.

Literature Survey / Feasibility Study: This Project can help

- Everyone who is getting problems understanding a particular technology.
- connecting developers all around the world.
- help to the organizations who want to recruit an employee.
- help people to build their profile and to the people who enjoys helping others.

Future Scope: In the current phase our project only connects the developers and helps the organizations to recruit the rightful employee. Our project has an enormous future scope, our platform mainly depends on the community of our developers we hope that some of our developers will help us to create a platform where developers help students or those who are willing to learn about a technology. We are planning to provide a platform for our community where the expert developers can post tutorials on a particular topic and those who want to learn can get benefit from it.

Moreover, we are trying to provide a weekly newsletters to our community members created by the experts, as there is a rapid technology advancement going on so the organizations also post all the information regarding the updates. Our platform can also help people for making the recruitment process easier and help the organizations getting the rightful candidate for them.

Methodology (Including a summary of the project):

We are creating a social platform for the developers the technology on which our project is mainly focused are Node.js, Express, React, Redux and MongoDB. We are using redux for state management there is also use of React Hooks, Async/Await & modern practises and using Heroku with a post build script to deploy our platform. Our application first ask user to sign up for allowing him to access the benefits of our community in exchange we want from user to create his portfolio so that organizations which our looking for developers can hire him. We our using MongoDB for storing users information. Then there is the post section where every developer of the community can help each other. For development of UI we our using react as it provides an easy and user friendly way for creating the UI.

Hardware & Software to be used:

Software: VS Code

Technologies: React JS, CSS, JavaScript, HTML, MongoDB, Node.js, Express and redux.

Hardware:

- RAM:- 4.00GB
- Processor:- Intel(R)Core(TM) i3-4005U CPU @ 1.70GHz

Testing technologies to be used:

Mainly two technologies used for testing in React .

Running tests-:

Create React App uses [Jest](#) as its test runner. To prepare for this integration, we did a [major revamp](#) of Jest so if you heard bad things about it years ago, give it another try. Jest is a Node-based runner. This means that the tests always run in a Node environment and not in a real browser. This lets us enable fast iteration speed and prevent flakiness.

Debugging tests:

After opening that link, the Chrome Developer Tools will be displayed. Select inspect on your process and a breakpoint will be set at the first line of the react script (this is done to give you time to open the developer tools and to prevent Jest from executing before you have time to do so). Click the button that looks like a "play" button in the upper right hand side of the screen to continue execution.

What contribution would the project make and where? :

The contribution that an open-source project creates is endless. The only constraint which limits our imagination. The project on our team is working and has an enormous amount of contribution. "Everybody should learn to program a computer, because it teaches you how to think." - Steve Jobs.

Our project directly or indirectly help millions of developers who are working on some kind of projects. As we all know a single bug in an application can waste a lot of time which cause both loss of time for a single person or for an organization, there is huge amount of possibility that the same problem may have been encountered by some other person and he may help others to resolve that which can save a lot of time. Many organizations in today's time wants to recruit a person our platform has also capability to help them by checking the profile of our developers and if they find the candidate rightful they can directly contacting him this also save a huge amount of money for the organizations and the candidates has to struggle a lot less for getting the job according to their experience and their skills.

Scope for extension into a major project:

Our project in its current phase helps the developers around the world to help each other in creating and making their application a better version. Moreover as we have mentioned in the future scope of this project there are enormous uses and this can help organizations to save a huge amount of money by using our platform. Our application also help the developers by reducing the time for the development of the application by resolving bugs in less time. Therefore, our application fulfills all requirements require to get converted into a major project.