

ReactJS Developer Test

The goal of this assessment is to assess your architectural and development capability.

Project Definition

It is said that all people on average are [six, or fewer, social connections away from each other](#).

Create an app that helps you find the degree of separation between any two people.

Think of it as selecting two users on Facebook and trying to see how these two people are connected.

In the app...

1. You should be able to add people.
2. You should be able to add types of relationships (for simplicity, you can just add one - friend).
3. You should be able to set the relationships between two people. (Eg. **Rahul** is a **friend** of **Sunny**)

Once you have inserted all the data, if you select any two people, you should be able to see the degrees of separation between them.

For example, if you have the following relationships added into your system...

1. Sameer is a Friend of Aayushi
2. Aayushi is a Friend of Bhaskar
3. Sameer is a Friend of Kamalnath Sharma
4. Kamalnath Sharma is a Friend of Shanti Kumar Saha
5. Shanti Kumar Saha is a Friend of Bhaskar

If you select two people, let's say Sameer and Bhaskar, the application should show the degree of separation as follows.

1. Sameer > Aayushi > Bhaskar
2. Sameer > Kamalnath Sharma > Shanti Kumar Saha > Bhaskar

If I select the other two people, let's say Kamalnath Sharma and Bhaskar, the application should show the degree of separation as follows.

1. Kamalnath Sharma > Shanti Kumar Saha > Bhaskar

Extra Credits

1. Create a good UI/UX using one of the ReactJS Libraries.
2. We prefer TypeScript over Javascript and hence there are extra credits for TypeScript.

Notes

1. You do not have to connect to any backend. You can store the data in the local storage or in-memory.
2. Deploy the app on a public git repository and share the link.
3. Host the application online and share the link to the app.