Project Title: Campus Connect

Problem Statement: To develop a MERN-based social networking web application that aims to connect peers within the college to share their stories, and interesting insights and help each other grow.

Team Name: Team Phantom

Team Leader: Himanshu Aggarwal

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Team Members' Details

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Branch: Btech   Stream: CSE   Year: III

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Branch: Btech   Stream: CSE   Year: III

Problem Statement
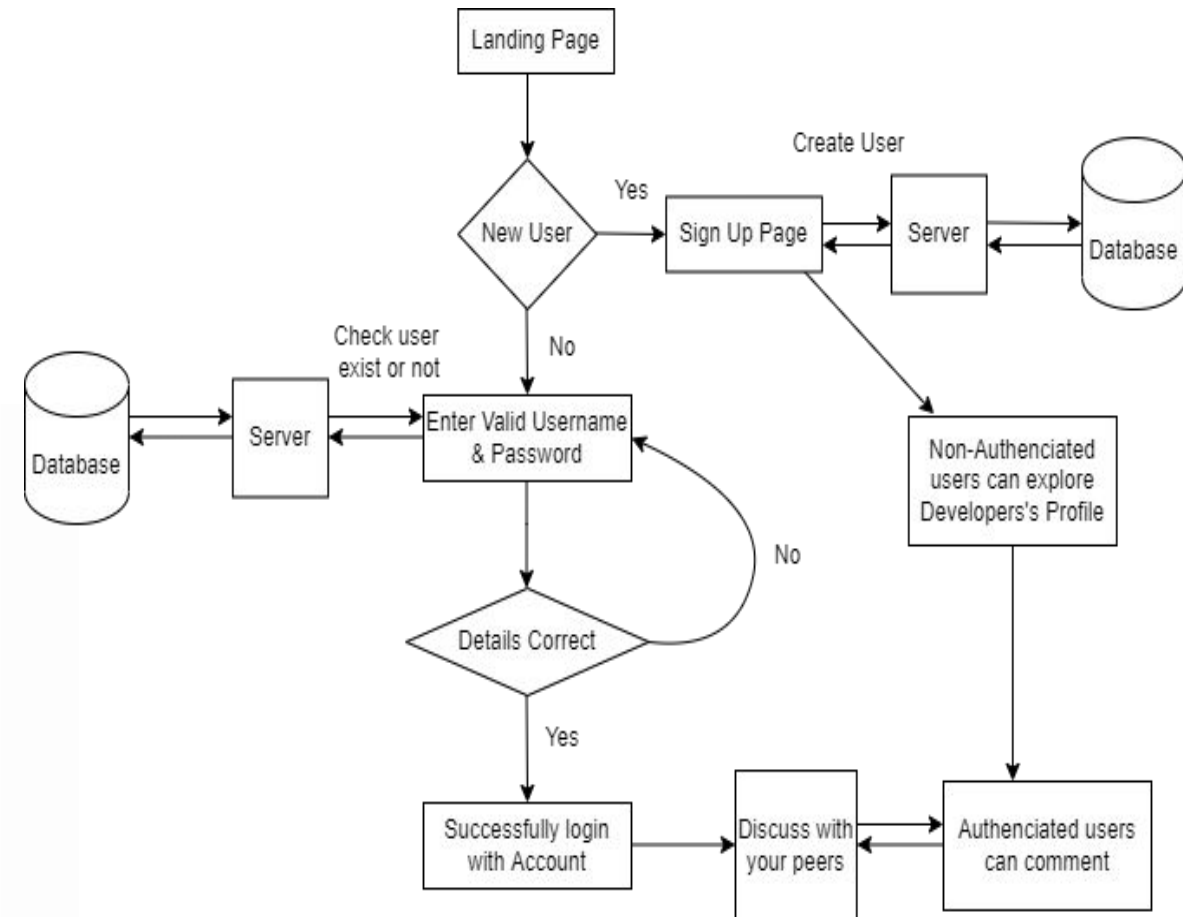
Due to COVID-19, we have seen a sudden and drastic shift in digital life. This transition has also been observed in the education sector as well, with lectures moving away from the traditional classroom model to online sessions which have tremendously affected the interaction among students. Remote learning has seized the access to the guidance of college seniors. Due to this, students are clueless about the companies visiting their colleges, the interview process, and the preparation strategy. Also, Finding a teammate for peer programming or hackathons is a hell of a lot of job for college students.

Solution to the Problem Statement

Workflow

➔ We developed a **MERN based web-application** that aims to connect peers within the college.

➔ The user can either **signup or login** to the portal. For the time being, the users can only register via the Chitkara University's email ID.

➔ The user can **create his profile** by adding his education, experience, skills and other important details.

➔ The user can **explore other college communities.**

➔ The user can **like/dislike or comment** on the post.

➔ Campus Connect is the ultimate solution where you can **learn from others, share your work, and extend your toolset** with a diverse group of developers, creators, recruiters, content writers, and many more from around the world.

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❖ **Objectives:**
  ➢ Students can join their college communities.
  ➢ Media like images, gifs, pdfs, and many more can be uploaded, shared, and downloaded to local storage.
  ➢ Like, comment, delete (Only individual posts), and share functionality.
  ➢ Can follow, or block anyone you want.
  ➢ Used best search algorithm to search all over database within a seconds.

❖ **Key Learnings:**
  ➢ Building an extensive backend API with Node.js & Express
  ➢ Protecting routes/endpoints with JWT (JSON Web Tokens)
  ➢ Extensive API testing with Postman
  ➢ Integrating React with our backend in an elegant way, creating a great workflow
  ➢ Building our frontend to work with the API
  ➢ Using Redux for app state management
  ➢ Creating reducers and actions for our resources
  ➢ Creating many container components that integrate with Redux
  ➢ Creating a build script, securing our keys and deploy to Heroku using Git.

Tech Stack/ Methodology

● **Frontend**
  ○ HTML
  ○ CSS
  ○ Bootstrap
  ○ React.JS
  ○ Redux

● **Backend**
  ○ Node.JS
  ○ Express.JS

● **Database**
  ○ MongoDB

● **Hosting**
  ○ Heroku

USPs:

★ **Easy to use.**
★ **Anonymous posting.**
★ **Build Connections:** Driven by like-minded interests, similar paths, and common goals.
★ **Meaningful Conversations:** Participate in existing conversations or engage others by starting new ones.
★ **Safe Space:** No Judgements, No trolls. Let's just be ourselves and learn together.