

Condor's Commit

The graphic features a solid tan background. In the upper left, the text "Condor's Commit" is written in a large, white, sans-serif font. A diagonal line runs from the bottom-left corner to the middle-right edge, separating the tan area from a dark navy blue triangular region in the bottom-right corner.

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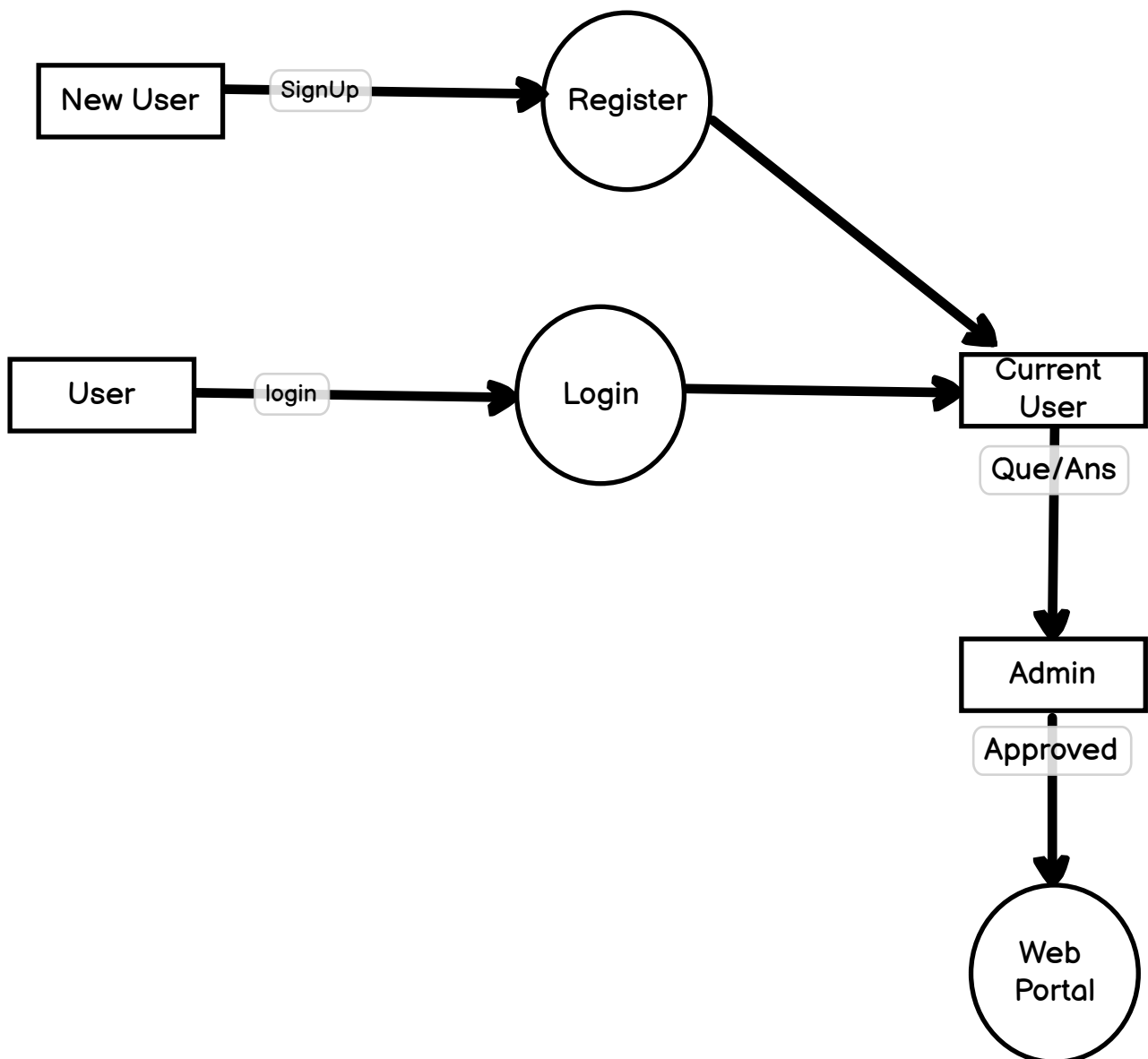
Project Title

Introduction

We went through all Conestoga college's websites. But we were unable to find a platform that can connect all Conestoga's members. We suddenly came up with a unique idea of developing a platform with all amenities such as alumni, professors, and current students to connect and share their experiences. We are currently planning to create a portal with minimum functionalities where each member of Conestoga can register themselves. Alumni can share their current workplace and experience regarding Conestoga College. Current students can post their doubts, and other members can provide the solution. For security reasons, the admin will authorize all comments before posting it live. To prevent fake profiles, we will implement signup using social media with Recaptcha latest version 3. In the future, we would like to enhance our web-based application by adding a premium feature such as messaging functionality and would like to develop a smartphone application. Thus, by creating this web-based application, we will be able to maintain data of alumni students, which will help Conestoga College.

Data Flow

Below diagram represents the data flow of the



Technology Description

MongoDB

MongoDB is an open-source document database built on a horizontal scale-out architecture that helps us to store and retrieve data faster. The document described in JSON format, which is readable, assists in designing a robust Data Base. Vast volumes of both data and traffic will be managed efficiently by MongoDB's scale-out architecture. Thus, using MongoDB as a database in our project will provide us high scalability and distributed data. Last semester, we already had some hands-on experience in the MongoDB database, which will enhance our skills for this project.

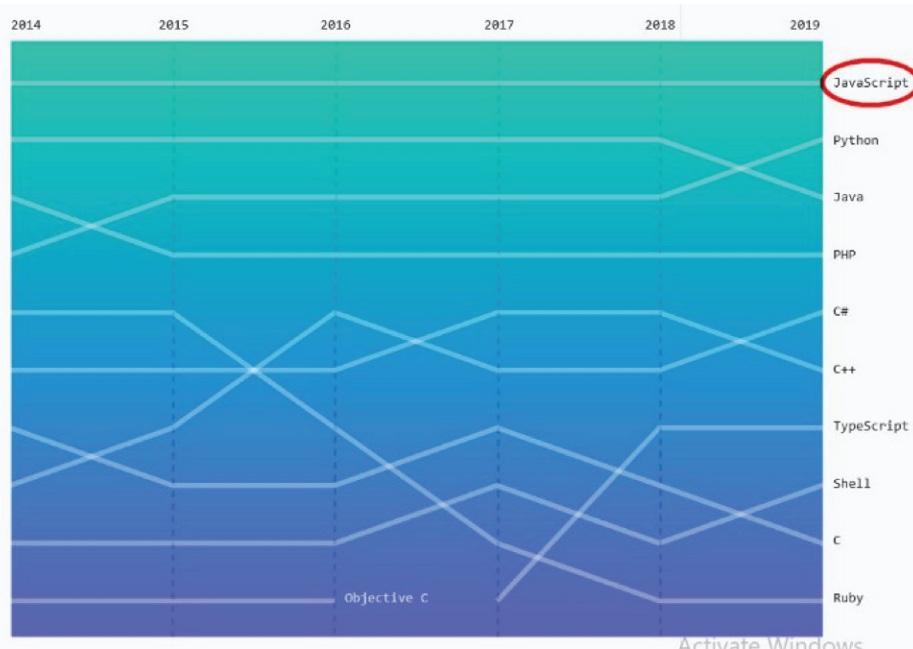
React

React is an open-source, front-end, JavaScript library for building an excellent User Interface, and it's leading in npm. The component-based structure allows us to reuse all developed components. Among all of these learning React will build our interest in React Native, which will be a bonus for us. In the future, we will expand our web application on smartphone platforms. Although we won't be able to use the exact code, we will use the same methodology and architecture.

Market Survey

Java Script

As per the market survey JavaScript & React.js are frontrunner in the job market.



Reference : <https://towardsdatascience.com/top-10-in-demand-programming-languages-to-learn-in-2020-4462eb7d8d3e>

Conclusion

Thus, in 2 months, we will develop a web-based application using the latest technologies, which will create the community of all Conestoga members. We will learn React from LinkedIn learning and official react website. We may face some functionality issue but we will solve it by taking reference from stack-overflow. In the future, we would like to add premium features such as messaging feature.

GIT HUB Link

https://github.com/nishisurti2608/capstone_2020