Adhesive- Social Media Aggregator

CPET 491: Senior Project Phase II

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TOPICS TO BE COVERED

Problem Statement	Brainstorming and Considerations
Options Considered	Program Logic
Node.js	Troubleshooting and Testing
Project Management	Benefits and Improvements

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PROBLEM STATEMENT

In today's world, the need to stay ever so connected is constantly there and so therefore new social media ideas and solutions keep sprouting; each idea more versatile and different from its counterparts. The problem therefore is how a user manages to constantly keep up and manage all his/her existing profiles while navigating through the different profiles in the easiest manner.

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OPTIONS: PROGRAMMING LANGUAGE TOOLS

➢ ASP.NET with C#

➢ PHP

➢ Node.js

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NODE.JS

Node.js is a platform built on Chrome's JavaScript runtime for easily
building fast, scalable network applications. Node.js uses an event-driven,
non-blocking I/O model that makes it lightweight and efficient, perfect
for data-intensive real-time applications that run across distributed
devices.

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CHROME'S JAVASCRIPT RUNTIME: V8

➢ V8 is Google's open source JavaScript engine.

➢ V8 is written in C++ and is used in Google Chrome, the open
source browser from Google.

➢ V8 can run standalone, or can be embedded into any C++
application.

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CHROME'S JAVASCRIPT RUNTIME: V8

V8 gives a huge boost in performance because it cuts out the middleman, preferring straight compilation into native machine code over executing byte code or using an interpreter.

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PROJECT MANAGEMENT: LABOR

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Activity	Days
Review and update Requirements	10
Create state diagrams	5
Create algorithms	10
Procure suitable server	5
Test server	1
Build registration and login modules	10
build system logic and design	10
Setup and design storage technology	10
System integration	5
Troubleshoot	10
Modifications and code deployment	5
Design update	2
Data validation and testing	5
Code Testing and implementation	5
Verify system testing	2

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Rough draft	10
Update first draft	5
Rewrite final report	5
Final report complete	1
write rough presentation	5
update presentation	2
rewrite the presentation	1
presentation complete	1
Total	125 days

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PROJECT MANAGEMENT: COST
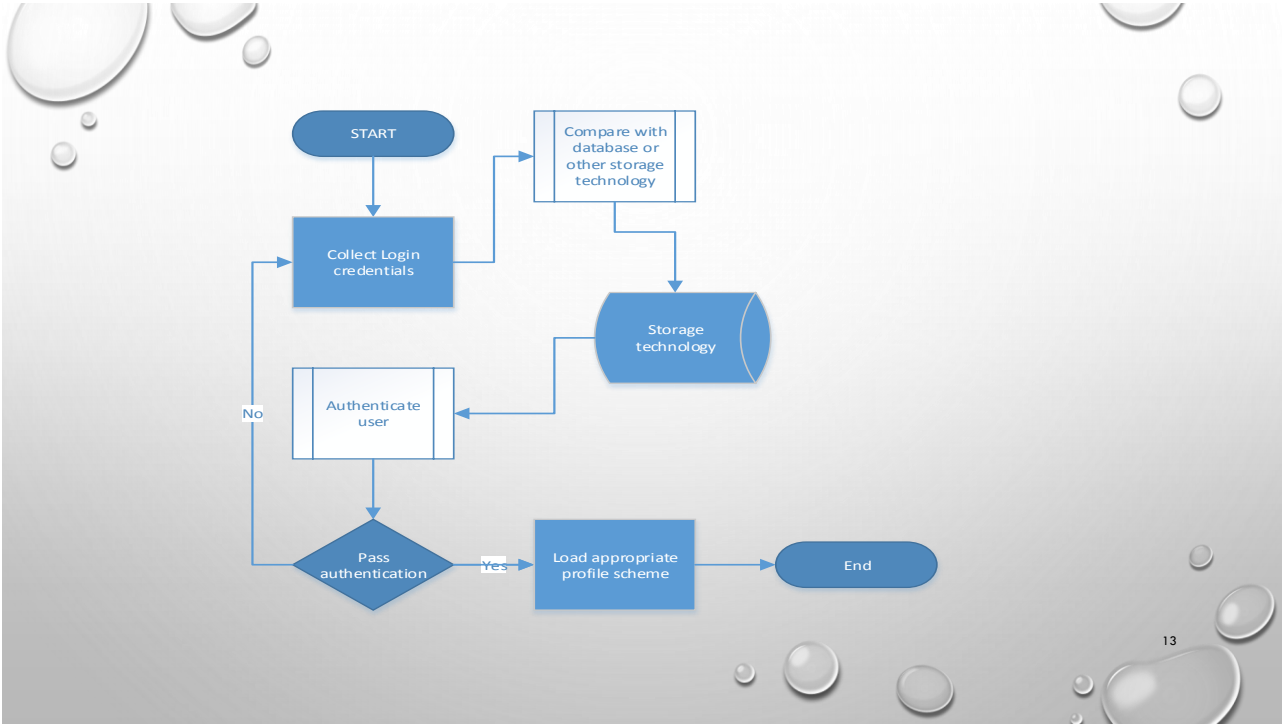
Parts	Dollar ($)
Dedicated Server	900 (150/ month for 6 month period)
Domain Name	75
Total	$975

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BRAINSTORMING AND CONSIDERATIONS
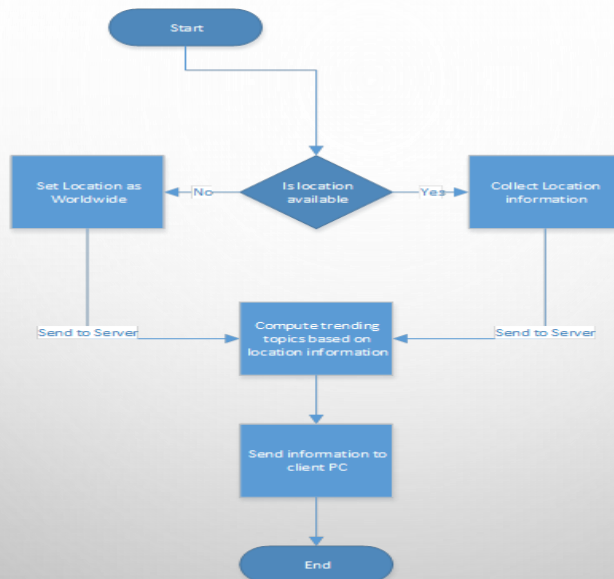
Initial Approach

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START

Compare with database or other storage technology

Collect Login credentials

Storage technology

Authenticate user

No

Pass authentication

Yes

Load appropriate profile scheme

End

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PROGRAM LOGIC

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FLOWCHARTS

On Load Event

Connection Event

Start

OnClick() for connection button

Send request to server for authorization link

Server receives request and sends back appropriate link

Client receives link and opens it up in new window to allow login

Is login successful?

Do Nothing

Load Profile and timeline
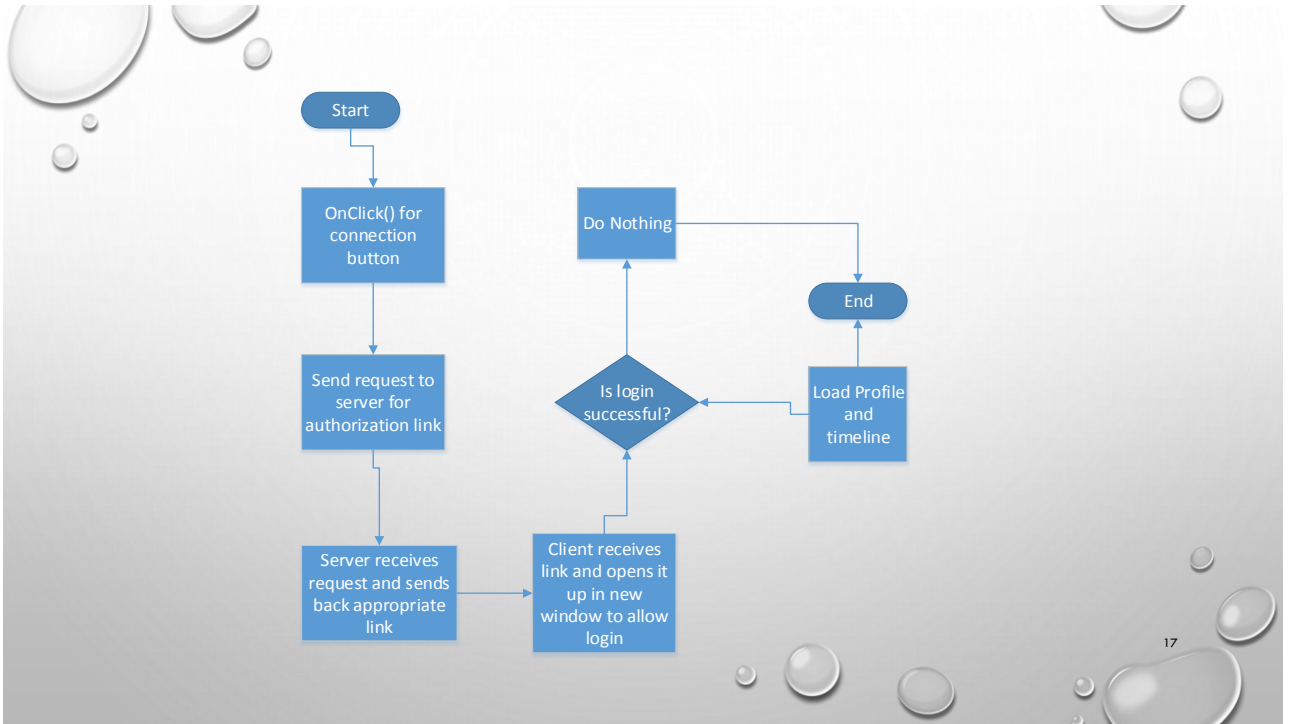
End

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TROUBLESHOOTING AND TESTING

Connections management

Repeat events firing

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BENEFITS

As of now, all websites and online resources alike, all act independent of one another and truly they are independent. However this project aims to bridge that gap, so that sharing an Instagram picture to your Facebook friends becomes as easy as a simple drag and drop action or sharing a CNN article to your blog followers becomes easy and virtually connected.

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IMPROVEMENTS

Better connection management

Improved user interface

Semantic data application and utilization

Possible contacts management and Hub application

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DEMONSTRATION

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QUESTIONS?

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