

## Topic: Adhesive- Social Media Aggregator

ECET 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

## 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.

## 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.

## 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.

## PROJECT MANAGEMENT: LABOR

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
<b>Total</b>	<b>125 days</b>

10

## PROJECT MANAGEMENT: COST

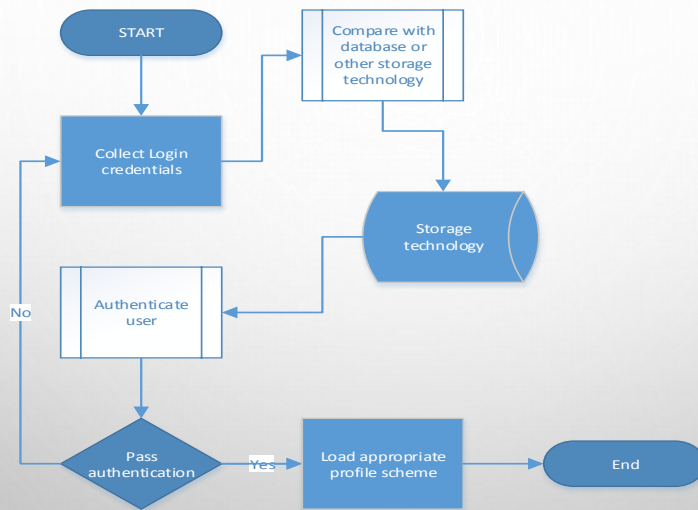
Parts	Dollar (\$)
Dedicated Server	900 (150/ month for 6 month period)
Domain Name	75
Total	\$975

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## BRAINSTORMING AND CONSIDERATIONS

\*Initial Approach\*

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## PROGRAM LOGIC

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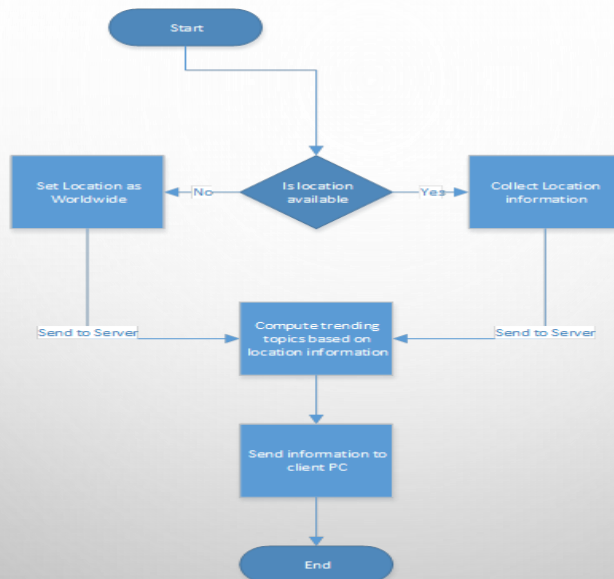


# FLOWCHARTS

On Load Event

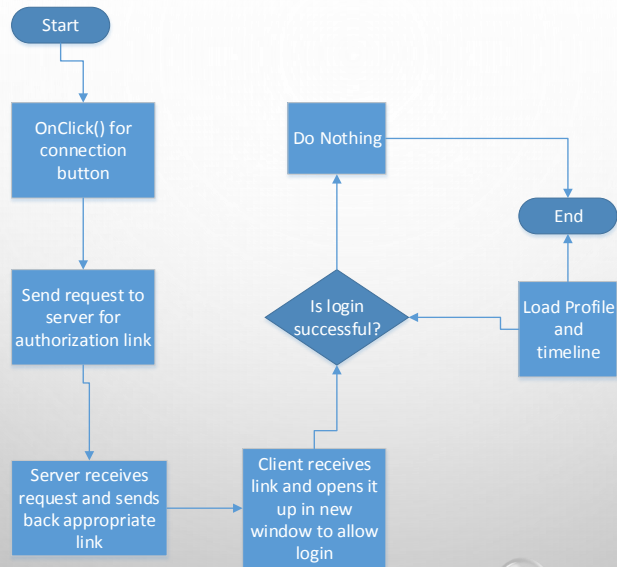
Connection Event

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## TROUBLESHOOTING AND TESTING

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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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