Group C Project Proposal
CECS 491A
TUTH 5-7:15PM
v2.0

Table of Contents

Project Information

Name of the Organization: long walk_inc

Project Title: Molina Project

Project Summary: Create a web app that can connect/accept different file types and read data and be able to output that data based on selected parameters into visual representation

Project Time-frame: January, 27 2017 - May, 10 2017

Prepared by: Sergio Garcia

Attached Documentation: N/A

Project Contacts:

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Michael Isenberg	Team Lead	6503055033	michael.isenberg-sa@csulb.edu	Frontend / UI / UML
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Stanley Ung	UI Engineer	3233655977	stanleyung167@gmail.com	Frontend

*Note: title does not mean the person does that and that alone, that is however their main focus but they contribute to many parts of the whole project

Project Summary

The purpose of this project is to create an enterprise that can be used by many different organizations in order to take their information and output easily readable graphs and charts. It will allow users to connect a system, such as a database, or upload a file and output visual representation of the data based on what it is the user wants to see.

Project Background

The problem we are trying to solve is the problem that many smaller companies and perhaps even individuals face. They have all these users, they have all this data and they have no way of seeing its importance. Sure, they can go into their database and use sql statements to get an idea of what's going on but they have millions of lines and even when they get a bit more specific, they still have thousands of pieces of information. We are aiming to take their information and allow them to see the importance of it. Allow them to see how many of their customers live in the United States so that maybe they can open one or two more stores in downtown Los Angeles in order to get a bit more revenue. We hope to allow anyone to upload their information and we return it in a visual way that will instantly allow our client to get a better grasp of their data.

Project Objectives

-Objective 1 - Learn asp.net mvc, Javascript and C3.Js
-Objective 2 - Create simple web app written in Javascript that allows user to upload file
-Objective 3 - Output visual representations of the uploaded information

Project Methodology

1.) The Project Approach Summary

-The team will approach the project from the viewpoint of someone with information they need to understand a bit more

-Broken up into two groups that are heavily overlapping

- -Frontend
  - -UI
  - -Design
  - -Flow
  - -Simple design for uploading file
- -Backend
  - -DB
  - -JavaScript
  - -C3.js
  - -ASP.NET MVC
  - -Account information

-Tools

- -ASP.NET MVC Web Forms
  - -creating webapp
- -C3.js
  - -framework for creating graphs
- -Apache/Derby
  - -server
  - -Database
- -Github
  - -Pushing and cloning repositories for updating work
- -Google Drive
  - -used for documents that we do not want to be made public on github
  - -used for extreme collaboration on google sheets, and google docs

-There will be incremental updates using Agile methodology

2.) Work Breakdown and Task Time Estimates

ID	Task Name	Description	Start	Finish	Duration
1	Proposal	Document for project	9/1/2016	10/11/2016	1m10d
2	UML	Unified Model Language	10/12/2016	11/12/2016	1m
3	UI Mock Up	How webapp will flow	10/12/2016	10/31/2016	19d
4	Tutorial	Steps on how user will input/output	10/20/2016	11/12/2016	22d
5	Presentation	Present project	11/1/2016	12/1/2016	1m
3	Coding	Java and android	1/27/2017	4/27/2016	3m
4	Database	Writing tables for users and recipes	1/27/2017	2/27/2016	1m
5	Testing	Write test code for testing multiple scenarios	11/15/2016	4/15/2017	5m
6	Debugging	Fix problems during testing	11/15/2016	5/13/2017	6m

3.) Project Deliverables

Deliverable	Description	Estimated Delivery
Project proposal	A small description of what we hope to achieve with our application and why we chose to make it.	10/11/2016
UML	Set of descriptions that outline the design of application based on the way it will be used by users	11/12/2016
Project slideshow	Similar to an investor presentation aimed at showcasing what our app is and what it does.	12/1/2016
UI Mock Up	A diagram of what the proposed web app will look like, including buttons and layout	10/31/2016
Tutorial Input/Output Class Tree	Rules for what happens when a user has input and what is the expected output	10/31/2016
Technical Specifications	Set of requirements that our product must meet or exceed	12/1/2016

Testing Plan	Rules and guidelines for how best to test the application by using outside sources to simulate real world behaviors	11/15/2016
Application account creation	Allow users to save their output information	2/1/2017
Application upload of files or connecting to other system	Allow users to upload their files	2/1/2017
Application database	Allow users to store information in their phone and perhaps on our servers. Document the database uml diagram.	11/15/2016
Application output	Using C3.js output the information in visual appealing format	3/1/2017
Final submission	Final version of functional database	2/15/2017

Project Risk Management

1.) Risk Management Plan

The biggest risk here is deviating from the simplicity of our application and trying to tack on features that may be confusing. In order to keep ourselves from doing this, every feature that makes its way through will have to be okayed by the entire team, including Mentor Vong.

2.) Risk Register

Risk: Unintuitive UI

Counter: Use Bootstrap or other framework that is simple and looks good

Risk: Unattractive design

Counter: Possibly hire an artist or someone with knowledge of design

Risk: Database problems

Counter: Test multiple times

Risk: Incompatible with random files

Counter: Look at the files types most commonly used and have users change their format

Conclusion

We are trying to create a web app can be used by any enterprise that requires their data be formatted and output into readable forms. We hope to achieve this by creating an intuitive application using ASP.NET, Javascript, and C3.js framework that will aim at giving the user the output they require so that they can then move on using the information we gave them. We hope to limit the opportunity for risk to occur by simply sticking to the current features and only tackling more if our current model works flawlessly with a large portion of our efforts going into making out application read from multiple file formats.