COSC 412

Individual Project

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**Preface**

This project aims to help online shoppers save money. They will enter a desired product into our search engine in order to find the site with the best deal. The engine will search popular sites like Amazon and Walmart.

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Introduction

1.1 Overview

1.2 Deliverables

* Design Review Mtg/ Tool Selection Review 10/28/2020
* Milestone Review 11/13/2020
* Final Presentation 12/01/2020

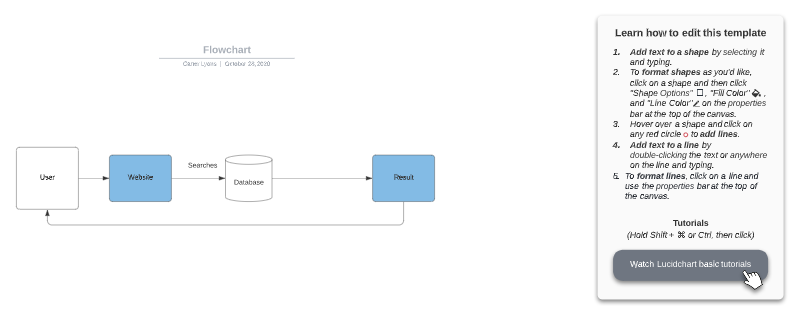
1.3 References

Project Organization

2. Project Organization

2.1 Process Model

* Agile



Managerial Process

3.1 Management Objectives and Priorities

* Stay on task and finish on time.

3.2 Assumptions, Dependencies and Constraints

* Constraints
  + Time

3.3 Risk Management

* Late start, makes for work crunch

3.4 Monitoring and Controlling Mechanisms

* Work on it daily.

Technical Process

4.1 Methods, Tools, and Techniques:

* Languages: HTML, CSS
* Database: Firebase
* Version Control: Git
* Web hosting: name.com
* Other: Amazon/Walmart APIs

4.2 Software Documentation

* Documentation exists to provide product functionality, combine project - related information and allow space to talk about any questions or concerns between stakeholders and developers.
* Documentation plan:
  + From the start to finish, the documentation goes over different aspects of the projects such as: high level requirements, test plans, test documentation, system documentation, installation guides, user manual and the final report. Below, we will expand over each part of the plan.
  + High level requirement:
    - Describes what the system should do and how it should do it.
  + Test plan:
    - How to test and what to test.
  + Test documentation:
    - Documentation of the testing itself.
  + System documentation
    - Class diagrams, Code comments.
  + Installation guides:
    - How to install it.
  + User manual
    - How to navigate and use it.
  + Final report:
    - Summary and conclusion.

4.3 Project Support Functions

* Testing:
  + Unit testing
  + Integration testing
  + Acceptance (final test)
* Configuration control
  + Program code changes
  + Requirements and design changes
* Quality assurance:
  + Make sure this works at the end