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, Walmart, eBay (Buy It Now only), Target, etc.

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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

* TO BE ANNOUNCED

1.5 Definitions and Acronyms

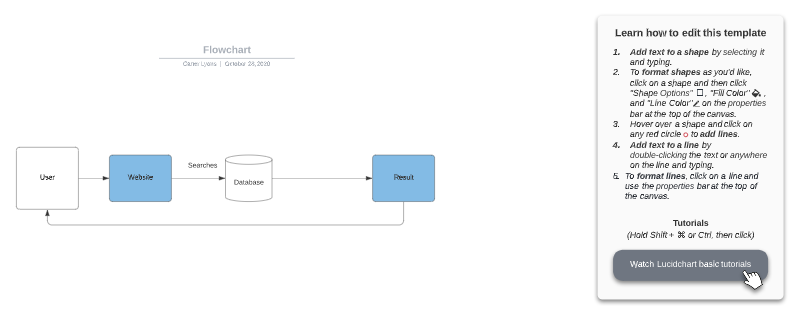
* TO BE ANNOUNCED

Project Organization

2. Project Organization

2.1 Process Model

* Waterfall



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 weekly.

Technical Process

4.1 Methods, Tools, and Techniques:

* Languages: HTML, CSS
* Database: Firebase
* Version Control: Git
* Web hosting: name.com
* Other: Web Scraper

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:
  + Test plans
  + Test procedures
  + Unit testing
  + Integration testing
  + Alpha testing
  + Beta testing
  + Acceptance(final test)
* Configuration control
  + Program code changes
  + Requirements and design changes
  + Game versions?
* Quality assurance:
  + Make sure this works at the end