COMP 6000 – Web Application Development

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Semester Project – Proposal

I. Introduction

With the increased popularity of conducting business online, from buying household goods to shopping for services, a variety of websites have become available for consumer use. However, the sheer volume of such websites can be overwhelming for users to navigate. Additionally, given the current social climate, some users have a tendency and need to support minority-owned businesses. To navigate the current socio-economic climate, I am proposing a website that provides users with a directory of minority-owned businesses.

II. General Design and Structure

In the proposed website, I am expecting three types of users: consumers, business owners and an administrator.

A. Users
   1. Consumers will be able to search and view a directory of businesses. Each business entry should include basic information, such as a summary of the goods or services the business provides and contact information.
   2. Business owners will be able to submit a business for registration, login (once registered/verified), and update information pertaining to their business.
   3. Administrators will be able to login and approve/reject businesses to be added to the website. An administrator will also have the ability to remove businesses that have been previously added to the website.
B. Structure

The overall design pattern I expect to use for this website will be Model-View-Controller (MVC). Currently, I intend to use XML and JSP for the view and control portions of MVC. A database will be used to store business information and act as the model portion of MVC. A visual representation of MVC can be found below:
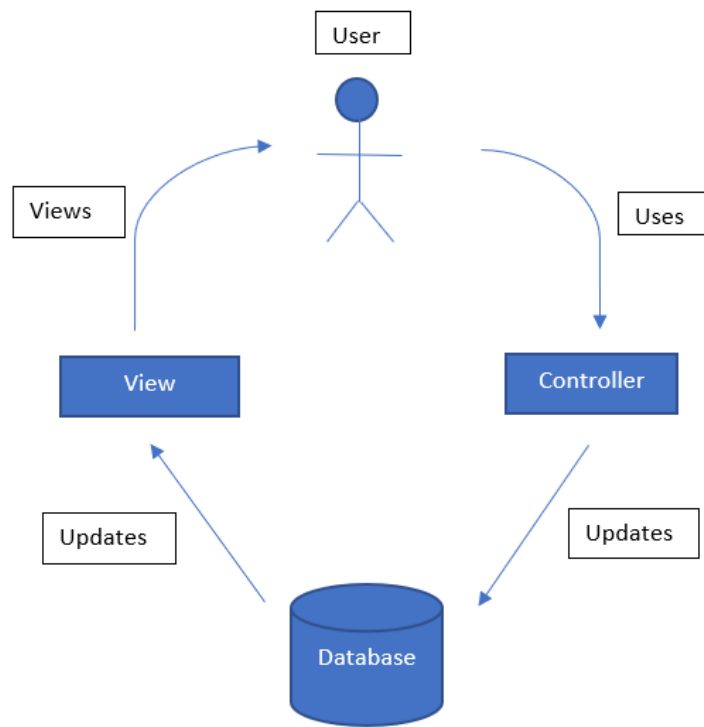
Figure 1: Diagram of MVC Pattern