Project Plan

For

We Serve You, Inc.

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**1. Overview**

The motivation for this project is to automate We Serve You, Inc. wellness center facility registration. This project will deliver complete automation of user registration as well as administrative tools for We Serve You Inc. internal operations.

**2. Goals**

|  |  |
| --- | --- |
| **Project Goal** | **Description** |
| **Functional Goals** | Programming aspects of the project**.** Does the project works as intended? |
| **Customers**   * **Name** * **Address** * **Customer Number** | Database and program should establish systems to accurately retrieve the information of customers providing their information. Customer should be able to see their information as well after their order is placed |
| **Events**   * **Type of event** * **Date of Event** * **Number of Participants** | Program accurately saves the information of events and allows staff members as well as customer to accurately register and see their inputted information |
| **Invoice**   * **Order number** * **Items needed for the event** * **Customer Number** * **Amount billable** | Customers as well as staff members will be able to see their invoices with the included information. Staff members with the right authentication should be able to pull this information. Customer number should be unique as well as order number. |
| **Relations**   * **Customers order inventory** * **Invoices are shipped to customers** * **Inventories are made up of items ordered by a customer** * **Customers are billed based on their invoices** | Internal system that will allow staff members with the right authentication to see all the information included under relations. This information can be searchable in the database or can be viewed as a ‘whole’ – depending upon database size and search queries. Staff members should have the ability to easily identify what the customer ordered and process their information accordingly |

**3. Organization**

Members of this project will use instant messaging service slack.com for fast and reliable communication. Group leader John Sousa will keep an online binder on Google Drive for project members to submit. Design, development and implementation of this project will be based on an Object Oriented Design. Both graphical interface and development aspects will work together but not dependable.

**4. Schedule**

The scheduled time for this project is set to be November 1st 2016. There will be weekly reports that each member will submit to track their progress. Daily communication will be maintained over slack.com.

**5. Technological Aspects**

**Chosen Programming Languages:**

* PHP
  + Main Algorithms to retrieve and save data. PHP will work on hand with SQL queries to accomplish tasks
* MySQL
  + Main database will be maintained in MySQL lite. Communication to database through PHP
* HTML
  + Simple forms and input fields, as well as POST and GET methods that communicates with PHP
* CSS
  + Simple and responsive style for the web design part
* jQuery
  + jQuery libraries will be used working together with Javascript to create responsive and dynamic search fields for administrative purposes

**Chosen Web Server Technology:**

* AFS – NJIT Web Server and Apache System

**6. Conceptual ER Diagram for Database**



(Attached Visio drawing)