3. System General Requirements

**3.1 Project Summary**

My senior project will be a replacement for a church’s prayer chain. The application will be a website, this way it is accessible to most anyone and will not be restricted to a certain brand of device such as Apple or Android. The website will consist of 5 main parts. First, the users home page. Second, the prayer request search page. Third, the prayer request creation page. Fourth, the group search page. Lastly, the group home page. All of these are explained in detail below.

Initially a user will have to create an account. This will be accomplished by browsing to the sign-up page. On this page the user will be able to create an account using an email and password. Alternatively, the user will be able to create an account using the “login via Facebook” button. This button will query Facebook for the email the user has provided for their Facebook login. In addition to the “login via Facebook” butoon. Once an account is created the user will be able to use the site. If an account is not created the user will only be able to view the site homepage, which will have a description of the website and what it is used for, as well as navigate to the login/signup page.

Once the user has created an account there are multiple actions the user can take. If the user navigates to their home page, they will be able to view all the prayer requests they have subscribed, all the prayer requests they have made as all the groups they have subscribed to. When viewing their current prayer requests, this page will allow them to delete any requests that haven’t currently expired. Also, they can view and edit their account information.

If the user has not subscribed to any prayer requests, they can navigate to the prayer request search page. On this page will be all the current prayer requests. The prayer requests from members of their group will have priority and be at the top of the list. There will also be a search feature where you can view prayer from only one of the these categories; health, finance, death, emotional, global, community and other. The user will also be able to search for certain text in the prayer request. There will also be a search feature that allows the user to reduce their search parameters to a specific state.

If a user wants to instead create a prayer request, they can navigate to the prayer request creation page. In this page the user will be able to fill out a form that will then post a prayer request to the prayer request list. The form requires a title, short description of their prayer request as well as a length of time the prayer request shall stay posted, this time limit will be a preset amount of time, for instance 1 day, 2 days or 2 weeks. They also will be able to add a longer description of the prayer request in a larger text box. The user will also need to choose a prayer category, this defaults to other. One last thing is a check box that the user can check if they want the prayer posted anonymously. Once all this information is filled out the user can create the prayer request. This prayer request will now show up on their group’s prayer list as well as the larger overarching prayer list. The user will be able to have a maximum of 50 prayer requests. Once this limit is reached, they won’t be able to create more.

If the user is not part of a group yet or if they wish to join another group, the user can navigate to the group page. This page allows the user to join, leave and create groups. If the user wishes to join a group, they can search through the list of groups available. The user can filter the list by searching by state or searching for a certain string of text. Once the group is found they can click the subscribe button. If the group is an open group, the user will now be part of the group. If the group is closed the user will have to enter the group’s password to join. This way, for instance, a church can give out the group password during a sermon so that only church members can join. There will also be a list of groups the user is currently subscribed to. This list will give the option to the user to leave any of the groups that the user is currently subscribed to. Lastly, the user can create a group. By clicking on the create group button the user will be taken to the group creation page. On this page the user will need to enter a group name, description and will have the option to enter additional information such as location and contact information as well as a group password. They will also be allowed to upload a group picture. Once this is done, they can click on the create button to create the group. If all the information is entered the group will be created with the user as the owner.

Once a user is part of a group, they can navigate to the group page and choose one of the groups they have subscribed to. This will then take the user to the groups home page in which all the group information is displayed. There is also a portion of the page that lists all the current prayer request from member of the group. There will also be a virtual bulletin board in which the group owner or moderators can post current events for that group. There will also be a chat room in which the group members can message each other. This chat room is moderated by the group owner and group moderators. To become a group moderator the group owner must increase the user’s permissions through a group management page only the owner can see.

**3.2 Relation of Existing Systems**

N/A

**3.3 Hardware Platform Description**

**3.3.1 Website Hardware Platform Description**

A device with an internet connection.

**3.4 Software Platform Description**

**3.4.1 Website Software Platform Description**

Ability to access the internet. The website will be accessible through any web browser regardless of hardware platform of browser type.

**3.5 Third Party Libraries**

The website will use Microsoft identity for management of user login/sign-up etc.