**CEN 4010 Principles of Software Engineering**

**Fall 2021**

**Milestone 1: Project Proposal and High-Level description**

**Due Date 09/26/2021**

**Team Group 6**

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**Purpose:**

Provide information about what is happening in the community to keep them informed.

**Executive Summary**:

Currently, is very important for people to stay informed about the most relevants events of the community or discuss a diversity of topics. This website will allow to post, discus, report what is happening around us. It will help to stregthen relationships with new people, promote business or recomendad social or mental health programs to people that are suffering stress, anxiety or facing different challenges after been affected by COVID restrictions like social distancing, quarantine, losing jobs, family, etc. Therefore, we may have to intentionally seek other ways to reduce social isolation, like discusion, creating virtual meetings, people encourage each other throughs the posts, or advertsing their business or recomendad to people how overcome those challenges. These resources also include tips for maintaining your well-being, advising how maintaining a good mental health for those with significant symptoms of stress or anxiety, it is recommended to seek professional support when necessary, So, what better than this space where our neighborhood can step up during this time with the pandemic because we all have a part to play in reduce the spreading of the virus by knowing what should do, because together we can help counter difficult feelings like hopelessness and stress to our neighbors.

**Competitive Analysis:**

**Key Features:**

|  |  |
| --- | --- |
| Competitor | Our website |
| Excessive automatic generation of ads. | Free automatic Ad’s. Users can advertise their business on their post only. |
| Permanent public profile. Even people delete their account once their login again will activate the account. | Cultivate a kinder environment where everyone has a way to support people informing them about mental health or economic programs. |
| To little privacy. | Not asking for personal information like DOB, or Phone Number to join. |
| Time consuming because all the videos that pop up on their website. | Focus only relevant events, or social programs from our community. |

Users will have the opportunity to advertise any events, business, etc., posting themselves those events, the website will not allow to have automatic ad’s that annoying some of users. Even though that Video ads can be targeted to a specific audience depending on parameters such as demographics, topics, and interests, it also can be the main reason because people don’t trust or leave a website. The focus of the website is to provide an informative space to users.

**Overview, scenarios and use cases**

The internet has revolutionized the community, to the point that it has become the most important way of communication by young people, adults, and elderly. Websites have become the most powerful tool to interact with other people and stay informed of the events and main news of the community converting a user as commentators, editors, creators, and publicists.

**Initial list of high-level functional requirements**

* This website application software must:
* Accept post of the local events.
* Allow users to respond other people’s posts.
* Support local business through user’s post. List of non-functional requirements.

**List of non-functional requirements**

* Compatibility, with any electronic device.
* Accessibility, to the community
* Maintainability, through the users (they will keep updating posts)
* Security, the website will not share any personal information of the users.
* Reusability, users will be able to discuss between posts.

**High-level system architecture**

git

github

JavaScript

Compatible Navigators: chrome, opera, internet, Firefox

**Competitive Analysis**:

This analysis focused on five main features: Design, Communication, Content, Usability, Recommendations.

The four websites were ranked using a number scale (1-5) these websites were selected for their focus on local events and social networking.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | G6 | Twitter | Facebook | Nextdoor | Neighbors |
| Design | 5 | 3 | 4 | 5 | 3 |
| Communication | 4 | 5 | 5 | 2 | 3 |
| Content | 5 | 4 | 4 | 5 | 3 |
| Usability | 4 | 5 | 5 | 5 | 2 |
| Recommendations | 5 | 2 | 2 | 4 | 0 |
| Mean | 4.6 | 3.8 | 4 | 4.2 | 2.2 |

**G6(4.7):**

G6 has a simplistic homepage with a simple color scheme. G6 uses a search bar that uses zip code look up so you can look for events and news that is near your location. As you use G6 more it will start to recommend events in your area. G6 is made with all users in different age groups in mind. The content on the site is user and business submitted events.

**Twitter (3.8):** <https://twitter.com>

Twitter has a very useful feature. Where you can check local hashtags and trends, using twitter’s search bar. Twitter being a large social media website makes it a good place to check for local businesses and larger events in your area.

**Facebook (4):** <https://Facebook.com>

Facebook is another big social media website. Using Facebook’s search function, you can look at local businesses for upcoming events. Facebook also has a event tab which can look at all events in the area as well as see how many people are going.

**Nextdoor (4.2):** <https://nextdoor.com/>

Nextdoor is akin to modern day newspaper classifieds. Nextdoor lets its users mark their exact location, Nextdoor will show local news, events, local classifieds, covid events. Nextdoor makes its users verify their identity to use the app.

**Neighbors (2.2):** <https://ring.com/neighbors>

Neighbors is a app made by the ring doorbell company. Neighbors was made with neighborhood security in mind. Neighbors lets users upload events like fires, crimes, and lost pets. Neighbors is useful to keep update on local safety issues for the users with a social media aspect added.

**Planned Advantage:**

G6 is useful for users of all age groups and people who are traveling. G6 will give it users a break down of everything happening in their immediate area. G6 will give its users all of this information in a simple and clean user space as to not overwhelm the users. G6 will make it easy to communicate to other users like a social media giant but in the local space. As you use G6 more often G6 will recommend other events in your area that may seem interesting to you.