Contents

1. Literature review……………………………………………………………….. 2
   1. introduction
      1. Project background
      2. Project Aims and objectives
      3. Risks
   2. Mobile web versus Native mobile applications ……………………. 2
      1. Benefits of a mobile website ………………………………. 2
      2. Benefits of a mobile application ……………………………2
   3. Technical solution …………………………………………………
      1. What is a RIA? ………………………………………………
      2. RIA vs. traditional Web application …………………………
      3. Framework comparison table ……………………………….
      4. Bootstrap ………………………………………………………
      5. Lanuages used
      6. Client side
      7. Server side
      8. Database
      9. Version control
      10. Software used
      11. Internet browsers (Analysis)
   4. Human computer interaction ………………………………………..

1.4.1 8 golden rules of interface design……………………………

Include more sub paragraphs

1.5 Software processes

* 1. Market Research and existing solutions
     1. interview with current guide leader
     2. survey
     3. Current applications

**Literature Review**

* 1. **Introduction** 
     1. **Project background**

Girl guides is a scouting organisation for girls and women. It is quite similar to the scouting organisation for males and it is a worldwide organisation, operating in 145 countries. It is the largest voluntary organisation in the world. Within the UK there are a number of different guiding organisations that are running in local communities.

There are a number of local guiding units situated throughout Northern Ireland and these units are set up for girls and women in the community. The Guiders Hub will be a web resource for one local unit situated in West Belfast. The girl guides run a number of programs and activities to help with the development of a young person. They take part in summer camps and other outdoor activities, so it is essential that the parents have all details about the activities and its location. Throughout the year they have, a number of fundraising events and ceremonies such as award nights and enrolments, where members receive their scarf’s and badges. These events take a lot of organisation and it would be beneficial to share the information with all parents and members so they can confirm attendance.

Many units are relying on social media and other communication apps to connect members and parents. Examples of these include Facebook, what’s app and text messaging. There is no central resource used for communication, which means that information sent out to parents may differ .

Facebook is used to post news and photographs of what is going on in the local guiding unit, but as we are aware not every person is a member of Facebook and only those who have an account are able to access the guides own personal profile. Therefore, members that do not check Facebook regularly or are not Facebook members will miss out on information relating to the unit. The local units Facebook page is set to private so non-members cannot gain access, as there are 1.71 billion Facebook users currently active in 2016. (Statista, 2016). Therefore, personal or sensitive information relating to the local unit will not be viewed by users who have not been given access to view the contents of the profile.

Many parents have not grown up in the era of the smart phone so many may not have access to any device or are familiar with current apps. For example, face book messenger and what’s app. Therefore, those who have no access to such apps are already excluded from this form of communication.

Any paper based documents being sent to parents and members such as news articles and weekly updates have their disadvantages. Using copious amounts of paper is harmful to the environment, which goes against the guides ethical contract. One of the main disadvantages with the guides using a paper-based system is the lack of storage. The area, in which they store their records and permission slips etc, is very poorly organised. Therefore, if anyone needs extra copies about events, then the leader, who is in charge of typing up the documents, has to go home and search for that particular item on their pc. The guides rely on funding and fundraising for money to keep the place running. Paper, printers and stationary can be very costly, this money could be spent elsewhere that would be more beneficial for the young people.

1.2 Mobile websites versus Native mobile applications

Mobile websites are responsive webpages that are designed to be scaled to fit the screen dimensions of smart phones and tablets as well as touch screen capabilities. Mobile webpages are accessed through mobile browsers for example, IOS use Safari and Android devices typically use Google Chrome. (Angeles, 2014) Mobile applications are designed specifically for small, wireless devices such as tablets and smart phones, they are developed for use of specific devices and platforms. Mobile applications have to be installed on the devices, they can found on the AppStore for IOS users and google play store for Android users.

* + 1. Benefits of a mobile website

The main benefit of having a mobile website is that websites can be accessed by users at any time and it doesn’t impact the users experience. These websites have the same elements as the normal desktop versions such as the content, images and style, with improved readability. Although the functionality is tailored for smartphones and tablets.

* + 1. Benefits of a native mobile application

Installed applications have more control over their presence on the device, although application is not currently opened, the app can still run in the background and gather data about the user’s behaviour. The application can send push notifications to the user to remind them or prompt them to use the application, this cannot be achieved with on a mobile website. Mobile applications are more accessible that a mobile website, as it only requires the user to tap once on the app icon.

* + 1. Conclusion

The project does not have a very long development time, therefore I have chosen to

Include figures of the number of mobile OS, if I build an application I am excluding certain users.

References

[1] Angeles, S. (2014) Mobile Website vs. Mobile App: What’s the Difference? - See more at: Http://www.Businessnewsdaily.Com/6783-mobile-website-vs-mobile-app.Html#sthash.YypaJd13.Dpuf. Available at: http://www.businessnewsdaily.com/6783-mobile-website-vs-mobile-app.html (Accessed: 9 February 2017).