1. NCI Invention Disclosure Form

NCI INVENTION DISCLOSURE FORM

1. Title of Invention

Dentist Appointment Scheduler

2. Inventors

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name | School/Research Institute | Affiliation with Institute (i.e. department, student, staff, visitor) | Address, contact phone no., e-mail | % Contribution to the Invention |
| Barry mc Gettigan | National College of Ireland | Student | Lower Road, Merrymeeting,  Rathnew  Co.Wicklow | 25% |
| Arnis Lupiks | NCI | Student | 3 Saunders House, Spencer Dock, Dublin 1 | 25% |
| Joanne Anderson | NCI | Student | joanne.anderson84@hotmail.com | 25% |
| Brian Chaney | NCI | Student | ? | 0% |
| Gemma Bradey | NCI | Student | x11423442 | 25% |

3. Contribution to the Invention

Each contributor/potential inventor should write a paragraph relating to his/her contribution and include a signature and date at the end of the paragraph.

**Barry`s contribution:**

My contribution to our project was to create a way for the user to book an appointment for the dentist by using our application. I developed the schedule section using html5 and the jquerymobile framework. The schedule section had to include a list of all the different dental clinics in the users local area, display the clinics location using Google maps, create an image gallery for each dental clinic, create a way for the user to view a dentist`s schedule, create a section where the user can book an appointment with a dentist of their choice and create a way for the user to rate the clinic that they have visited. I also was involved in the creation of a of our applications main menu page, the registering a new user page and the validation that is involved for the registering user page.

Towards the latter stages of our project, I have been involved in manipulating the jquerymobile CSS to give our application its own unique look and feel. I have spent a long time on this because we feel it is one of the most important things to get absolutely correct. Our application needs to stand out from the crowd and we hope to achieve this with an eye catching design. We spent a lot of time overriding the jquerymobile default icons and settings and replacing them with our own features. We feel that we succeeded in doing this and our application definitely has a unique look to it.

Towards the deadline to our project I was responsible for the testing our application to make sure it worked correctly. I have been responsible in making the navigation of our app work the way it`s supposed to and that there is no formatting errors contained within the app. For example, when the user presses the back button on a page they should be directed to the page prior to the one they are currently on, rather than navigate to a random page generated from our code. This was actually a major problem and it took some time to de-bug this issue.

They way that I accomplished a successful test of our software was by using a testing method used by many software companies. It involves writing down all the requirements our project needs to meet in an Excel sheet and then going through each of them step by step to make sure they work correctly. If each task was working we would format a green box beside that particular task in the excel sheet, if something was slightly broken we would change the box to yellow to signify a minor problem and if something was not working completely it would get a red box to signify a major problem. Our team would then fix the bugs in the project prioritizing the most serious problems first.

**Arnis`s Contribution:**

I have created tutorial page, which includes all training involved in taking better care of dental health. I am actively involved in researching new ideas for the project which we could implement in the future. As well was trying to implement secure login, registration and booking appointments pages with php, ajax and xmlhttprequest option, which didn’t work out as I didn’t have enough knowledge and time to figure it out how it’s works together.

The prototype of our project has been uploaded by me online that all group members can tested on their mobile devices and test it, and come up with additional information to create app more user friendly.

Closer to the submission time of the project, we as a team have been concentrating on updating the content, css to create better look of the main layout, buttons and icons as we think that this part for the crucial in order to create more pleasant feedback from the users as well as pleasant use.

Have been uploading complete version of the project to our webserver.

**Joanne`s Contribution:**

I have created the map section of the invention. Its main function is to allow the user to access the location and contact details of Dentists in the area of their choice and use the map to give them directions to their dentists location. Some of the functions of the map include, a pop-up marker that indicate the details of each dentist when the user does a search in the search box of the application. I created it with the use of CSS, Javascript and HTML and JQuery. The map is simplistic and allows the user to navigate easily through each section of the mobile application. I encountered a number problems with my code through the project although I managed to complete the project successfully with the help of the team and through much research and sudy.

Joanne Anderson – 08870071

**Gemma`s Contribution:**

For my contribution to Dental App I created four html pages the first page was ‘Nutrition’ this page allowed the user whether it be child or adult to view tutorial videos on nutrition for their teeth it also linked users to websites that provide more information on nutrition. I also created a section tooth friendly explaining which foods can be beneficial and why and un-tooth friendly foods explaining which foods can cause damage and why. My second page was an ‘About’ page which also included two other pages ‘Frequent Questions’ asked and ‘creators’. About is page created just to tell the user about the project and dental legislation on data protection and provide links to other pages, While Frequent Questions asked is a page displaying frequent questions and answers about dental data protection and the Creators page is a list of the app creators with links to their linked in profiles.

4. Description of Invention

(Please highlight the novelty/patentable aspect. Attach extra sheets if necessary including diagrams where appropriate). What is novel, the ‘inventive step’? For more information on patents, please look at <http://www.patentsoffice.ie/en/patents.aspx>

Our invention allows for a user to book dental appointments through our app without having to contact a dental clinic and organize a specific time/date over the phone with a secretary. We believe that this app will cater for people with busy lifestyles as they can book a specific time which suits them rather than suits the dentist. The way that it works is that at the beginning of the month a dental clinic will post a timetable schedule that the user can view. The user can view a day and time on the schedule that suits them and then book themselves into that appointment slot without ever having to contact the dental clinic. That appointment will be stored on a database which the dentist can then view. The user will have also inserted information about why they are visiting the dentist for eg. Teeth cleaning or basic checkup. Our project team believes that this self-booking feature included in our app is what makes this project unique and therefore patentable.

We have also implemented various tutorials on basic dental hygiene which the user can view. Our group believes that this will help provide a lot of variety that the user will be able to enjoy. There will be photo galleries and videos provided offering advice on how to keep your teeth healthy.

5. Why is this invention more advantageous than present technology?

What is its novel or unusual features? What problems does it solve? What are the problems associated with these technologies, products or processes? Explain how this invention overcomes these problems (*i.e*. what are its advantages).

In the current market in Ireland there is no such application that could help people to book their dentist appointments with the help of an application. Therefore we have created this idea which would take advantage in this area as follows;

1. People who are busy in their schedule to call in for an appointment and do not have time for it; they could book an appointment with the click of a button clicking anytime and from anyplace.

2. Locate a local dentist practice in the area closest to you.

3. View the history of the appointments, filling, cleaning and much more.

4. Write a review about the dental clinic, rate them, and review patient experience.

5. Reminders about the appointments.

6. What is the current stage of development / testing of the invention?

We have just completed the testing phase in our project and we will be able to present a working prototype of our application.

7. List the names of companies which you think would be interested in using, developing or marketing this invention

We have not yet researched which companies would be interested in our invention as we are concentrating on developing a good finished version of our application in order to present it as working innovation. Once we present our project and hear the opinions of our lecturers at National College of Ireland than we will start researching potential investors.

8. Funding Partner(s)

|  |  |
| --- | --- |
| Government Agency & Department |  |
| % Support |  |
| Contract/Grant No. |  |
| Contact Name |  |
| Phone No. |  |
| Address |  |

|  |  |
| --- | --- |
| Industry or other Sponsor |  |
| % Support |  |
| Contract/Grant No. |  |
| Contact Name |  |
| Phone No. |  |
| Address |  |

9. Where was the research carried out?

The research for this project was carried out using the internet and library. We researched the internet to look up the different API’s, coding and information on the topic that were available to guide/assist the team in creating the application. We also found interesting tutorials on how to create professional looking jquerymobile applications.

10. What is the potential commercial application of this invention?

Nowadays smartphones are everywhere and people are constantly looking for new applications to download that will help make their lives easier. People always say that the best apps are the ones that solve everyday problems and our group believes that our dental schedule software can be used to benefit the public. Our dental app, if successful could be used to expand into different industries such as hospitals and physio clinics which make the commercial potential very high.

11. Was there transfer of any materials/information to or from other institutions regarding this invention?

If so please give details and provide signed agreements where relevant.

Other than researching and using open source code available on-line everything included in the software is entirely our own work.

12. Have any third parties any rights to this invention?

If yes, give names and addresses and a brief explanation of involvement.

No. There are no third parties who own any rights to this invention

13. Are there any existing or planned disclosures regarding this invention?

Please give details.

No

14. Has any patent application been made? Yes/No

No

If yes, give date: \_\_\_\_\_\_\_No\_\_\_\_\_\_\_\_ Application No.: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Name of patent agent: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Please supply copy of specification.

15. Is a model or prototype available? Has the invention been demonstrated practically?

We have a working prototype that is ready to be demonstrated. We have tested all the features that we wanted to implement into the app and they all appear to be working fine.

**I/we acknowledge that I/we have read, understood and agree with this form and the Institute’s *Intellectual Property and Procedures* and that all the information provided in this disclosure is complete and correct.**

**I/we shall take all reasonable precautions to protect the integrity and confidentiality of the IP in question.**

Inventor: \_\_\_\_Barry mc Gettigan\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_0/12/2013

Inventor: \_\_\_ Arnis Lupiks \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 06/12/2013

Inventor: \_\_\_\_Joanne Anderson\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_06/12/2013

Inventor: \_\_\_\_Gemma Br\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_06/12/2013