

Project created on 09.09.2016 00:08.

Report for project Senior Design

Task created on 07.10.2016 04:48.

Research the children's capabilities

No due date

No description

Task tags: *No tags*

* Alicia's Notes on Children's Abilities

Created by Carlie Abraham on 07.10.2016 05:02.

We have emailed Alicia asking about the disabilities the children at her school have. Here is her response:

"We don't always have the medical diagnosis for our students. But here is a list of some that come to mind: Autism, Down Syndrome + Autism, cerebral palsy, emotionally disturbed, multiply handicapped, angelmans, cornelia de lange, dramatic brain injury, progressive disorders such as battens, seizure disorders"

She has said that the students she interacts with have a wide range of disabilities with a ride range of challenges and capabilities. In order to learn how to address these challenges and disabilities, we will need to meet with the children to asses their abilities.

Completed by Tong Yu on 07.10.2016 04:55.

➔ **Step 1:** Visit the School

We will set up a time to visit the Southview school in person. We will observe the students during class and find out what the range of physical motion these children can have are.

Task created on 07.10.2016 04:43.

Existing Solutions Research

No due date

No description

Task tags: *No tags*

Completed by Tong Yu on 07.10.2016 05:10.

➔ **Step 3:** Conduct research on existing apps

Apps are becoming more popular, and are used for education of special needs

students. We conducted research to see how the functions of these apps could be incorporated into our project, and the limitations we may have to work within

Completed by Tong Yu on 07.10.2016 05:04.

➔ **Step 2:** Research existing websites

As websites are the most common product used by the client while working with special needs children, we researched various websites currently used by the client. This gave us a better understanding of the needs of the client, the benefits and limitations of these websites, and aspects of these websites that could be incorporated into the project.

Completed by Tong Yu on 07.10.2016 04:46.

➔ **Step 1:** Research Existing Patents

After identifying the most common types of developmental disorders, we searched for granted patents as well as patents that have been recently filed as part of seeking existing solutions to the client need. We will look over the recent trends and identify what is lacking from these patents as well.

* Similar Applications Created by Carlie Abraham on 07.10.2016 05:10.

Some of the applications aimed at helping special needs children are as follows:

Injini, Dexteria, Predictive, and Math Evolve

These applications help kids with learning disabilities communicate and learn more effectively in a fun and interactive environment. A program similar to these would be a good place to start when we begin to design our prototype. However, unlike these applications, our application should target a wider audience. The graphics and user interface should be aimed at students with a wide range of abilities and stages of development.

* Similar Websites Created by Carlie Abraham on 07.10.2016 05:06.

Some of the similar websites that Alicia uses currently are:

<http://www.easylearningbooks.com/>, <http://www.gonoodle.com/>,
<http://helpkidzlearn.com/>, <http://mightybook.com/>, and <http://tarheelreader.org/>

These websites are aimed to help kids with disabilities learn and improve their motor function. They also help students develop their reading, comprehension, memory, math, and analytical skills.