Project created on 09.09.2016 00:08.

Report for project Senior Design

Task created on 30.09.2016 01:37.

No due date

▦ App Design Research

Conduct research into app creation, such as coding, hosting and formats

Task tags: *No tags*

> ✳ App Layout   Created by Carlie Abraham on 30.09.2016 02:18.

> There are a few requirements an app needs to have to be special needs accessible. For one, the buttons have to be of a certain size. And the colors of the app need to have high contrast to make it easy to navigate. More research needs to be done on these requirements. This will come into play once we begin mockups of our app before we start coding the app.

> ✳ Hosting   Created by Carlie Abraham on 30.09.2016 02:09.

> There will be a few areas in our app that will require data hosting. More research needs to be done in this area in the future. But as of right now, we are looking specifically at Amazon Web Services. This is a cheap way to host data, which serves our purpose for the app.

> ✳ Language Selection   Created by Carlie Abraham on 30.09.2016 02:07.

> To write IOS apps, either Objective C or Swift needs to be used. We have decided to go with swift because the coding style is similar to other languages our group has used previously.

> ✳ App Platforms   Created by Carlie Abraham on 30.09.2016 01:57.

> We have concluded that we wish to design an IOS app using swift. This is because our group has the most experience with IOS design. It also is the most accessible to the client.

Task created on 30.09.2016 01:37.

No due date

▦ Preliminary Literature Research

Conduct basic research into speech disorders, speech therapy and special needs.

Task tags: *No tags*

Completed by Yanlin Ho on 30.09.2016 02:15.

◑ Step 3: Identify existing treatments for other age groups

While we are primarily interested in an app for the children, we will also conduct literature search on some therapies and apps developed for the adult population as well to broaden our horizon and also learn what the differences are between apps aimed at different age groups. We can therefore take into account the growth and changes in learning habits as the patient matures while designing our app.

Completed by Yanlin Ho on 30.09.2016 02:07.

◑ Step 2: Identify existing treatments

Upon identifying a list of speech disorders, we will conduct a basic literature research on some of the existing treatments and devices, such as apps developed by psychology labs and technological companies. We will also stay keen on some of the problems with these existing devices and how well they have worked in both lab tests and actual use with the patients to further our own project ideas.

Completed by Tong Yu on 30.09.2016 02:03.

◑ Step 1: Identify common speech disorders

We will also do a basic search on the most common types of speech disorders present in young adults using reputable sources such as the American Speech Hearing Language Association website and recent scientific journal articles.

⠿ Activity of task Preliminary Literature Research

30.09.2016 02:18   *Yanlin Ho* edited Step 1 **Identify common speech disorders** .

30.09.2016 02:15   *Yanlin Ho* completed Step 3 **Identify existing treatments for other age groups** (3/3 completed).

30.09.2016 02:15   *Yanlin Ho* created Step 3 **Identify existing treatments for other age groups**.

30.09.2016 02:07   *Yanlin Ho* completed Step 2 **Identify existing treatments** (2/2 completed).

30.09.2016 02:07   *Yanlin Ho* created Step 2 **Identify existing treatments** .

30.09.2016 02:03   *Yanlin Ho* completed Step 1 **Identify common speech disorders** (1/1 completed).

30.09.2016 02:03   *Yanlin Ho* edited Step 1 **Identify common speech disorders** .

30.09.2016 01:54   *Tong Yu* created Step 1 **Identify common speech disorders and therapies** .

30.09.2016 01:39   *Yanlin Ho* changed task **Preliminary Literature Research**'s description.

30.09.2016 01:37   *Yanlin Ho* created task **Preliminary Literature Research**.

🌢 Samples of task Preliminary Literature Research

No samples