Andi Maroge
Evan Maroge

VitamInfo - Idea and Proposal

1. **What is/are the problem/s you want to solve? Please provide background based on research.**

   The problem is that people may want to search a specific vitamin to learn more about it. The benefits of the vitamins should be accessed more easily and the food that contains the vitamin can be available to view so that people can know what foods to look for that contain the vitamin.

2. **Who are the users you are targeting? Please use a Persona to describe your users and draw a picture of your target user.**

   The users we are targeting are individuals who want to know more about Vitamins and which foods that contain them.

   The target users' characteristics:

   - Health Conscious
   - Sex: Male or Female
   - Age: 18-65 years of age
   - Race: Any

3. **What are the major features of the solution? List the features.**

   - User can select a vitamin from a list view
   - User can see the benefits of the vitamin
   - The user can see which food contains the vitamin selected
   - The user can see the nutrition facts of the fruit or vegetable that contains the vitamin, so that they can know whether they can consume it according to their calorie limits.

4. **How is this solution unique? How does it relate to existing solutions on the market? What are 5 solutions similar or related to what you want to do in the Google Play Store. Do the research and know that you are probably not reinventing the wheel!**

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The solution is unique in that it will allow faster access than the other applications. There are applications in the Play Store that give you information on the vitamins, but most are not specific to only the most common vitamins that people are hearing about or seeing on a regular basis.

The 5 solutions that are similar in the Google Play Store include: Vitamin and Mineral Guide, Vitamins: Sources, Deficiency, and Health Tips, Vitamins A to Z – All about Vitamins, Vitamins & Minerals – offline, and Vitamins: Functions and Sources.

5. **What technologies, APIs etc will you be using to develop this solution? Provide links and explanations.**

Android custom listview with Image And text. This will allow us to add a picture of each food and then the food name via text. For example, we will use an image of a carrot and then the name carrot following the image in a horizontal linear view layout.

https://www.androidhive.info/2012/02/android-custom-listview-with-image-and-text/

We will also be using Firebase for information about the fruits and veggies.

We will be using a couple of listeners such as the click listener.

We will be using a number of tools in material design and other drawable tools to make the look and feel of the app to be great.

We will be using a number of share button such as email, text and the share feature. That way, users can show the information to their friends.