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CS 470 Project Proposal

**Memory Capsule**

For our semester project we would like to design a memory capsule application. This is an idea proposed to us by Tony Alioto, a recent SSU grad. He provided us with a few mockups of what the app will look like and a description of what it should do. However, he has zero programming experience, which is where we come in.

**Description of application:**

The purpose of the app is to function as a virtual “time capsule” to store pictures for events between groups of friends. It would remain open for a set amount of time, after that it is closed and stored away (in a database) and would remain inaccessible for a predetermined amount of time (chosen by the user). When that time is up, every user in the capsule receives a notification that the memory capsule has reopened and the photos become visible again by everyone. When the capsule is reopened you cannot add or remove photos from it, only view them. You can have as many capsules that you are participating in as you like.

For example, let us say that there is a group of three friends all attending the same new year’s eve party. User A would create an instance of a “memory capsule,” name the capsule, “NYE 2013” for example, set the date that the capsule will close and open, we’ll say closes the next day and opens in one year, and then send out an invitation to Users B and C. Users B and C would receive a notification (either push or through email) that they are invited to join “NYE 2013” capsule by User A and will be prompted to either accept or decline the invitation. If they accept, they will then see “NYE 2013” in the list of their capsules on a “My Time Capsules” view. They would then put pictures from their new year’s eve party into the capsule. Once it closes, they can no longer access it until it is reopened the next year

**Primary features:**

* User accounts - would need to at least store a username and password in the database.
* Friends list - list of friends who also have the app installed.
* Memory capsule - ability to create and store memory capsule instances in database.
* Upload photos - ability to upload photos into database to store in capsule.

**Secondary features:**

* Description of photos - timestamp, user info, location.
* Camera - ability to take pictures from within the app without having to use another app.
* Upload different types of media - possibly messages, sound bytes, videos.
* Integration with social media - notify and open capsules on facebook/twitter/google+/etc.

**Here are some preliminary mockups of what the app will look like**

