

Requirements, Vision, and Scope

By Group#9

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Proposal#1: Remote Patient Monitor

Product Vision Statement

Patient Monitor provides a real-time patient care system for doctors and nurses who would like to check on their patients from a long distance.

It can

1. Wifi: transmit real-time bio-medical data/image to the central server in hospital.
 2. Camera/screen: capture real-time image
 - Health carers can deliver some remote instructions if any emergency happens before the ambulance arrives
 3. Gps: help locate the patient so help can be sent to asap
 - Maybe doctors can make suggestions according to the weather?
 4. Bluetooth: transfer patient's file from hospital to the specific doctor (within hospital). The doctor can do the regular analysis on patient's health condition and update patient's info to the central server via bluetooth within the hospital as well.
- SD Card

module #2:

Android app for patients' relatives, families.
Brings up notification for medicine
Real-time video check-on
Regular check reminders
Locate patient
Emergency contact/Call ambulance
Doctors' messages/suggestions

- contact between families and hospitals/doctors
- families can receive patient's health report regularly

Proposal#2: Tourism app

Tourism app provides a way for users to see fun locations around them, such as famous places, or restaurants.

GPS: Gets location of user for api usage

Wifi: Connects to Yelp API to get top tourist spots from the user's location via GPS. Also connects

With Google Maps to get map of where user is.

Touchscreen: Will show a map of where the user is that can be scrollable (bit map version of google maps)

Module #2

Android app that will:

Show the actual google maps (instead of a bit map version on the touch screen)

Open up a Yelp Page to a place that a user wants more information on

Provide a quiz on start up to narrow down recommendation choices

(Stretch goal) Provide a personalized timetable based on the number of days the user

(Stretch goal) Choose Yelp, TripAdvisor or FourSquare as the main website to get data from

Proposal#3: Hiking Pal

- may integrate the tourism app, the fitness idea and the weather forecast one

Product Vision Statement

Hiking pal is a GPS based track system for hiking lovers. It can track the hiking path, record the fav spots for the specific place during the hiking. For example, if you subscribe some spots and take some photos at some specific place, then this place will be labeled with a star on the path. You can click on this star for your detail subscriptions.

Components:

Wifi: gonna connect to internet for nearby fun spots. --similar to the tourism app

GPS: track the path and record user's real-time location

//Camera: user can use it to take a pic of the current surroundings and save it on the

//recorded path, say mark the location with fav spots and pics with a star

Screen: show the path and the marked location, if we click on the marked location then the relative info will pop up

SD Card: can be used to save the path and related info for further use maybe

module#2:

An android app for a group of hikers, which will be focusing on location sharing within the group. The path generated from module#1 may be loaded to this app as trip records for further plan.

- time-to-leave alert
- real-time location sharing
- group trip planner maybe? (probably too complicated)
- contact within the group using bluetooth?
- the app can save the recorded path from module#1 for further trip/plan
- bring up trip suggestions according to weather