CS 465
Homework 4

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Mobile Phone

• Who is the audience for your particular phone?
   All people, my feature will change how the people communicate using phones.

• What is the motivation for your design?
   The motivation is I want to make people communicate interactively like real conversation (face to face) instead of voice-based communication. People will be able to interact as if the opposite side is near.

• How is the motivation rendered in the design of the phone?
   This motivation is rendered in the design by adding the wireless detachable camera from the phone and projector feature for allowing the user to view 40-50” display in any surfaces. All of this feature can be hide in the phone allowing phone to be used as a small pocket device.

• Does the design allow for completion of the intended task?
   Yes, the projector will display opposite side and microphone should be able to handle all of the voice communication. Depending on the software, this feature will allow communication with more than 1 people easier by designing good user interface in the projected display. Detachable wireless camera will ensure camera to catch a good view (front view of the user, eye-contact adjustment).

Sample Interface:

![Sample Interface Image]

1-6 can be any people that want to join conversation; main screen will contain the position in the room to represents the real fell of conferencing.

• Draw a scenario of the phone being used. Be specific with both sides of the interaction and the details of the scenario. How many button presses are
necessary for the interaction? Where does the user carry the phone? Is it embedded in clothes or a separate object?

Scenario:
If using the same phones, both sides will be able to do a face to face communication by looking at the projected screen on the wall. Each sides should be able to look at each other and have the feel of real conversation as if they are in the same space (eye-contact will be real). For this feature to active the user will need to request it after phone call connected.

Button Steps:
1. Press Number/Choose Contact
2. Press Call Button
3. After Connected, There will be a menu for requesting face-to face conversation

There will be 3 buttons for this feature to active. the user will carry this phone as a separate object.