Pilot Study Report

Due: Friday May 3 2019 11:59pm

Beste Filiz Yuksel

CS 684/486 Affective Computing, University of San Francisco

This milestone is to assess the beta release of your project and to prepare for your user studies. Pilot studies need to be run before the main experiment for several reasons, including:

- **To test your system and detect any bugs**
- **Test for any usability issues**
- **Find out what parameters you need for your system**
- **Find out what conditions users prefer or that you should test**

As part of your final project you need to test your project on 3-5 users. Before running your first participant, you need to run a pilot to prepare for your final experiment.

Before you carry out your user study you will need to plan the following:

- **Plan the two or more conditions to test your device**
- **Plan out the methodology**
- **Create a questionnaire to collect qualitative data about your user's experience. Questionnaires are often presented in Likert scales on a scale of 1-5 or 1-7. It is advisable to see how researchers carrying out similar work have assessed their results in scientific literature. If someone has created a questionnaire, you can also cite that and use that.**
- **Prepare your user consent form: https://docs.google.com/document/d/1HgOexkZQmAQ8N59w92BVKknw8iowMlCpOWkqD6Gn4hc/edit?usp=sharing**
- **Implicit to this milestone is the assumption that *your project is now developed enough for beta release testing*.**

It is recommended that you run your pilot study with your peers in class to get feedback. We will make time to carry out user studies in class on Tuesday April 30 2019.

Here is a recommended format to run a user study:

1. Give participant consent form to sign.

2. Read script to participant about experiment. In script, remind them that they can stop at any time.

3. Carry out conditions of your experiment.

4. Give post-experiment questionnaires.
Most common form is to use Likert Scale Questionnaires

Rubric:

- **Carrying out user study (20 points)**

Cover the following points in your report:

- **Testing conditions and methodology (10 points).**
- **Submit your pre-experiment script that you say to each participant (5 points).**
- **Submit your signed consent form - scan or take a photo (5 points).**
- **Submit the questionnaire you gave your user - scan or take a photo (10 points).**
- **Describe what you set out to test in your pilot study. And what did you learn from your pilot study and what do you need to change in your project or methodology before your user studies e.g.: (50 points)**
    - **-will you use the same conditions?**
    - **- what challenges did you face? What will you do to fix them?**
    - **- were there any unexpected usability issues? What will you do to fix them?**
    - **- were there any bugs that needed fixing?**
    - **- does your script, methodology, or questionnaire need editing? If so, how?**

Testing can be a distressing experience for users due to:

-pressure to perform, errors inevitable

-feelings of inadequacy

-competition with other subjects

Subjects should always be treated with respect.

You must always carry out any distressing conditions first so that you can give the pleasant experience last and have your subject leave feeling good.

Make it clear to your participants that they can *stop at any time*. Put that in your script.

Deliverable:

Put your name in the filename!
Upload your Pilot Study Report to the Canvas project page
https://usfca.instructure.com/courses/1582988/assignments/6822728

An institutional review board, also known as an independent ethics committee, ethical review board, or research ethics board, is a type of committee that applies research ethics by reviewing the methods proposed for research to ensure that they are ethical.