Team: Intraspect | Anay Jain, Ribhu Lahiri, Prabhav Khandelwal

Assignment 8: *Test Your Prototype*

1. **Improve the protocol that you developed in A7 if necessary, and use it to test *at least* two different people**
   a. We will continue to follow the protocol defined in A7. The tasks we have defined will remain the same and that is how we have decided to go ahead and test our users. The only thing we have changed, based on received feedback from A7, is how we will help our users if they are really stuck. In this case, we will request our users to utilize the hamburger menu and navigate back to the homepage or the history page, depending on whether they are using the application to record an emotion or view their past journal. The hamburger menu provides clear, literal instructions that will enable the user to access these two pages whenever stuck.

2. **Write a few detailed sentences justifying why you chose these people to test, e.g. are they from your user base?**
   a. **Devyaanshu Patodia** is an international UCSD college student studying Cognitive Science, and is looking to maximise his time spent enjoying college. The app can be used by him to test out what activities are not worth his time.
   b. **Amir Truth** is an International Business major UCSD college student who is involved in a fraternity. He is always looking to change his schedule so that he can be the most productive while also being happy, not stressed.

3. **Submit a digital copy of your consent forms for all testers, <u>signed prior to testing</u>**
   a. Done and attached at end of doc.

4. **Write a detailed record of your observations for each test**
   a. **Devyaanshu Patodia**: We asked Dev to go through our user testing plan as described in A7. The key observations we had regarding Dev's usage was how he interacted with the slider, and he said that he liked how it was between 1-10 and not 0-10. With regard to creating a new activity, Dev recommended that he would definitely prefer to have this option on the home screen - and that having this under the settings page was not expected. He really liked the option of adding a custom emotion tag and the functionality provided and also liked the interface provided for adding daily notification time.
   b. **Amir Truth**: We asked Amir to go through our user testing in a similar fashion, and he too said he found no qualms with the homepage. He had some comments about the font and location of the slider and text over it, which are finer elements we plan to tackle right at the end. With regard to creating a new activity, we saw that he liked the option to add a new activity from the settings page, but did not think it was intuitive enough to find this under 'Settings'. He found the location of

the button on the homepage unruly and asked us to change it and make it more centralized. Lastly he too liked the option to add custom emotion tags and enjoyed the interface we had for adding a daily notification time.

5. **Take a photo or draw a sketch of each tester using your prototype, preferably over-the-shoulder shots of the interface**
   a. Done, attached at end of doc.

6. **Like for needfinding, write captions for the photos, identifying breakdowns and successes, as well as tester actions**
   a. Done, attached.

7. **After each test, debrief with your team and write a few detailed sentences summarizing and reflecting on your findings**
   a. **Devyaanshu**: Key findings were that we should continue to move ahead with the slider on our home page. Given that he liked the location of the add activity tag on the home page, we should test the button of adding an activity on the home page vs the settings page. Also, the functionality of adding emotion tag should be continued with and fine tuned.
   b. **Amir Truth**: Key findings were that slider and home page layout was liked. We should definitely go ahead and test the position of the add activity button. The question lies in whether it should be located on the home page or in the settings page. Continuing with the location of custom emotion tag was confirmed by his testing.

8. **After each test, compile a list of changes as a result of your debriefing and, when possible, modify/update your prototype before running the next test.**
   a. Since Devyanshu preferred to add activities on the homepage rather than going to the preferences, we left the add activity button on the homepage as well, in addition to having an option to add activities in the "preferences" page.
   b. Amir Truth also wanted a quicker way to jump back to the homescreen from the "preferences" page because he felt like just one hamburger menu item link isn't enough for the user to navigate to the homepage of an app. He suggested a fixed-action button on the bottom of a page like "preferences", so we added a floating bottom at the bottom of the "preferences" page to navigate the user back to home.

9. **After finishing all testing, write a few detailed sentences for three general patterns you found in tester behavior and speculate why they had these patterns**
   a. The **first** general behaviour found in tester patterns was that we saw that they tended to press the bigger buttons on most screens. On the home-page, both Devyaanshu and Amir went through the procedure as expected and had questions about the huge 'add activities' button next to the drop down menu.

Next, both users were keen to check the add tags and add activities options right from the home page, which was interesting to us.as **Next**, we realized that both users enjoyed using the slider to input their happiness level, and found it intuitive enough to measure happiness level for activities. **Last**, we realized that both users liked the options to add emotions on the home screen and we realized that we need to fine tune that option more to make it smoother for the user to operate.

10. Identify and fix remaining bugs that are either small and easy to fix, or too severe to ignore
   a. Done

11. Write a few detailed sentences identifying one component on one page of your prototype that you want to redesign, ideally you're uncertain if the redesign is better and an online experiment could inform your final choice
   a. On our **home page**, we are curious on whether it would be the best option for us to give the option to the user to 'add activity' - in comparison to giving him the option to do the same in the settings (or preferences) page of our application. This is mainly because we feel that some users might open Intraspect while they are during a certain activity, and given that it might not be listed, might want to add it directly on the home page. This coincides with the options we give through the settings (or preferences) page, where the user can add new activities as well as set daily notification times for different activities.

12. Write a few detailed sentences justifying your choice of component
   a. We believe, and continue to believe that we should provide the options on both the **home** page and the **settings** page. This is because the usability for the feature is different on both pages: on the home page, it is for a user who is trying to log his happiness level instantly during or after an activity and has the option to create a new activity. On the settings (or preferences) page, the usability is designed for a returning user who is trying to customize Intraspect for his needs: that is why when you try and add an activity through the settings (or preferences) page, you have the option to add the time and days, and repeat options, for the activity.

13. Implement both A (original) and B (redesigned) versions of your design in the same repo, accessible through different routes, e.g. "/page_A" and "/page_B"
   a. Done

14. **Write a few detailed sentences justifying A and B designs are different enough to test, as superficial changes are not accepted**
    a. We decided to approach the profile(preferences) page differently. In one implementation, there was a way for the user to edit her activities, while in the other it was only possible through a separate settings page. There was also an add log button in the first implementation which allows the user to go directly to the homepage.

15. **Write a few detailed sentences how the results of these changes will be measured in your online test next week, e.g. clicked or didn't click a button**
    a. We will try to measure the rate of clicking of add new log button on the preferences page, to check how much users benefit from that. We will also measure the clicking of add new activity and compare it to the clicking of link to settings page in the other implementation. Through this we will learn what will be the optimal location for the add activity button.

16. **Write a few detailed sentences explaining why the measure is appropriate for a chi-squared test -- see video here for help . If you plan to use a different statistic, explain why it's appropriate**
    a. The measure we are using is appropriate since it is a frequency. We can compare the observed frequency of clicking and compare it to our assumptions to check which one performed better. The chances of a user clicking the add button on the preferences page 'by chance' is very low, and hence, we believe this will be an appropriate measure as the chances of it happening by mistake from a user are low. It will give as an appropriate measure of the data we have hypothesized vs observed data.

17. **Write a few detailed sentences suggesting why your A design might turn out to be the better design**
    a. Our design A might work out on logging in or signing up, the user is taken to the profile page. Having a quick access to adding a new log should make it easier for the user to reach the core functionality of the app. Also, having the option to edit their activities in their profile page may be helpful to the user.

18. **Write a few detailed sentences suggesting why your B design might turn out to be the better design**
    a. Our design B might work out because the less amount of clutter may allow the the user to focus more on his analysis and recommendations, and get more out of it. This is aided by separating the ability to manipulate their activities on another page.

19. **Heroku link of the webapp:** https://a8-intraspect.herokuapp.com/
20. **The two versions of a page are**
    a. *Preferences* **(A)** https://a8-intraspect.herokuapp.com/preferences
    b. *Profile* **(B)** https://a8-intraspect.herokuapp.com/profile

21. **Github repository link**: https://github.com/ribhu97/intraspect-cogs120

22. **Development plan link**
    a. https://docs.google.com/spreadsheets/d/1_Q0hBVCpGSa56CDthtR6hltextmuiim HAnJjCFNgbFo/edit#gid=1341258866
    b. Snapshot attached as well.