**XPendit**

**Usability Study v1**

Due to the limiting factor of not having an app with sufficient features to test at this point in time, this first version of the usability study will serve as a reference in the future. This study is an important time to validate app construction, and so we build around the idea of ease of feature use. The specific tasks for each user in the study would be as follows, and in this order:

* Register as a user.
* Log in.
* Create a room which contains the user themselves, along with users “mackley” and “jschaff”.
* Create a recurring charge, “Rent”, which is assessed between all three group members. The charge reoccurs on the third of every month and each member should pay an even share of $300.
* Create a one-time charge for “Donuts”, which is assessed to one other user in the amount of $5.
* At this point, a PALSS member will assess the user a $20 charge. Enter a manual payment to the PALSS member in the amount of $20, and report what the charge was named.
* Create a list called “Grocery List”.
* Add the items “Milk”, “Condensed Milk”, “Evaporated Milk”, “Powdered Milk”, “Chocolate Milk”, “Milk Chocolate”, “Strawberry Milk”, and “Rice Flour”.
* PALSS members will assess the user several charges. Report how much is owed both in total and to each specific group member.

Successfully completing this trial run would indicate good foundational usability of XPendit, as these tasks encompass the basic use cases without getting into technicality.

The permission form for usability study for participants is found on the next page; this is followed by the usability study script.

**XPendit**

**Usability Study Disclosure**

Participant Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Date:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

As a participant in this usability study, I understand that verbal feedback is expected, and written feedback is encouraged. I understand that all financial scenarios in the study are purely hypothetical, and that I will not *actually* owe the app developers any money unless I break the phone they provide. I understand that I may withdraw from the study at any time. I also allow the use of cameras to capture audio and video feedback from the study (which is used for reference and app improvement in the future) unless I express otherwise below.

By marking this box, I indicate that I *do not* wish to be recorded in any way.

Participant Signature:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**XPendit**

**Usability Study Script**

|  |  |
| --- | --- |
| PALSS Member: | Welcome, *participant*, and thank you for helping us test our group expense sharing app, XPendit. The goal of this app is to be able to create virtual “Rooms” with roommates, officemates, or other colleagues and use these rooms to split shared charges easily among involved members. Are you ready to begin? |
| Participant: | *Yes, presumably* |
| PALSS Member: | The functionality of the app requires an account-based approach. Please register as a user. |
| Participant: | *Performs registration task* |
| PALSS Member: | Please quit out of the app and reopen it. Using the credentials you’ve just provided, log in to your new account. |
| Participant: | *Performs Login Task* |
| PALSS Member: | XPendit functions around the creation of rooms. Create a room with other users “mackley” and “jschaff”. |
| Participant: | *Performs Room Creation Task* |
| PALSS Member: | Now that these users are in your group, you may share charges with them. These charges can be recurring charges, like utilities, rent, or subscriptions like Netflix, or they may be one-time charges for purchases. For now, create a recurring charge called “Rent” which every group member should put $300 towards by the third day of every month. |
| Participant: | *Performs Recurring Charge Creation Task* |
| PALSS Member: | As mentioned previously, charges may not necessarily be recurring. Charge a group member of your choice $5 for “Donuts”. |
| Participant: | *Performs One-Time Charge Creation Task* |
| PALSS Member: | Now, we will assess you $20 charge. XPendit allows charge payment via credit or debit card, or you may enter payments manually which you make to the person via cash or check. Pretend you paid the $20 charge in-person with cash. Enter this payment manually into XPendit, and report what the title of the charge was. |
| Participant: | *Performs Manual Payment Task* |
| PALSS Member: | XPendit also allows for list sharing within a room. Anybody can create a list and add items to it which are all visible to room members. Create a list called “Grocery List”. |
| Participant: | *Performs List Creation Task* |
| PALSS Member: | Lists aren’t very useful without items. Add the following items to the grocery list: Milk, Condensed Milk, Evaporated Milk, Chocolate Milk, Milk Chocolate, Strawberry Milk, and Rice Flour. |
| Participant: | *Performs List Editing Task* |
| PALSS Member: | Now, we will assess your account with several charges for hypothetical purchases over the course of time. Report to us how much you owe in total, as well as how much you owe to each specific group member. |
| Participant: | *Performs Charge Summary Task* |
| PALSS Member: | Thank you for your time. This concludes the usability study. If you have ideas for more features or for design changes, please write your ideas down on the slip provided. |