

# Test Plan



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# Software Testing Plan

## Revision History

None

## Introduction

Testing for AnkiShare is to be done with students who are currently enrolled in the UC Irvine School of Medicine. Several testing methods will be employed, namely heuristic evaluations, think-aloud evaluations, and cognitive walkthroughs. The goal of testing is to receive feedback from the testers that can be used to improve functionality and user experience. Constraints regarding user testing include a slight lack of technological background in medical students, as well as availability for testing sessions. It is assumed that students will be willing to participate in testing, and that they will be aiming to improve the software with honest feedback. Testing is dependent on students being willing to participate, as well as availability.

## Test Item Pass/Fail Criteria

Use-Cases that will be tested include:

- Uploading a deck
- Downloading a deck
- Filtering based on Professor, Topic, Class
- Contacting the AnkiShare Team
- Making an Account

### *Uploading a Deck*

- Success: If users can successfully upload a deck starting from the landing page without intervention.
- Fail: If users require assistance to upload a deck starting from the landing page, or if they spend more than 30 seconds.

### *Downloading a Deck*

- Success: If users can successfully upload a deck starting from the landing page without intervention.
- Fail: If users require assistance to upload a deck starting from the landing page, or if they spend more than 30 seconds.

### *Filtering based on Professor, Topic, Class*

- Success: If the user uses the filter function and the filter is applied with the appropriate criteria.
- Fail: If users require assistance to apply the filter or spend more than 15 seconds doing so.

### *Contacting the AnkiShare Team*

- Success: If users can successfully write a message to the AnkiShare team without intervention.
- Fail: If users require assistance to contact the AnkiShare team, or if they spend more than 30 seconds doing so.

#### *Making an Account*

- Success: If users are able to successfully create an account and log in to AnkiShare, starting from the landing page.
- Fail: If users require assistance in creating an account and logging in to AnkiShare, or if they spend more than 30 seconds doing so.

### **Test Deliverables**

#### *Test Plan*

*(This document.)*

#### *Test Cases*

None on file yet.

#### *Test Scripts*

None on file yet.

#### *Defect/Enhancement Logs*

None on file yet.

#### *Test Reports*

None of file yet.

## **User Testing Plan**

### **Heuristics Evaluation**

Our group will use the most up-to-date user interface mockups and will evaluate the mockups based on the ten basic heuristic principles. After completing the heuristics evaluation, the team will incorporate our findings (both changes and keeps) into our interface design implementation during development. We will update our mockups accordingly, and then continually re-perform the heuristics evaluation until the interface deems fit and meets all the heuristics principles.

### **Actual User Testing**

Our testing users will be voluntary first-year UCI medical students. The methods used will be: cognitive walkthroughs, think aloud exercises, online surveys, and Google Analytics. For cognitive walkthroughs and think aloud exercises, one team member per user will be present during each session to observe users. For all methods, team members will take notes. After each session per method, all team member notes will be compiled into a major list to finalize points to implement in development. User testing will be conducted during both soft and hard releases of the website.