



**INOVA™**

# **Resource Management System (RMS)**

## **Initial Prototype Revisions**

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### **Group E**

Candice Bowes  
Kimberlie Fair  
Vi Huynh  
Kara Pantalena  
Dina Saffouri  
Nathan Walby

# Initial Prototype Revisions

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Round One Tested Prototype: <http://q8wva4.axshare.com/>

Original Prototype\*: <http://w61cqw.axshare.com/>

\*You will need to resize the width of your web browser in order for this version to display correctly.

The following list details the revisions made to Group E's initial prototype since the pilot usability test in December.

## Login Screen

- We modified our original logo to incorporate the INOVA logo, but little else has changed.
- We changed our colors to match the INOVA color system. This is not just true for the login screen, but the entire prototype. Also in response to comments about distracting graphics, we removed the gray gradient in the background.

## Home Screen

- The first iteration of the prototype had a home screen, but this screen was gratuitous, showing the application's logo and offered no additional functionality. In this iteration, we made better use of the home screen to offer users a way to see all interactions from the beginning.
- Some of the features unique to the home screen include an 'About' section, a 'Contact Us' section, and the ability to reset tutorials.

## Calendar

- The original calendar had limited functionality, allowing the user to view a date and add an event. To improve this, we added a great deal of functionality during the early revisions, only to then scale back that functionality later in the process to improve the overall performance of the prototype. The final result gives users the ability to see all events on a date, the ability to add an event, the ability to access resources linked to an event, and the ability to change months on the calendar.
- We also added a light-box design in the revised prototype that allows users to see list of daily events simply by selecting a date, which then extends to a detailed view when the particular event is selected.
- We added a tutorial to the calendar in response to requests made during the initial usability test in December.

## Announcements

- Our original design did not have an Announcements component. However, our research indicated that ASTEC administration and doctors wanted some sort of communication system

build into the app, yet the residents showed resistances to that idea in fear that it could become a liability for them (if someone, for example, posted something inappropriate). In addition, our original research had called for 'pushing' resources to residents but our original design had yet to fully realize that 'push'. So in order to satisfy both parties and to create the sense of 'pushing' resources, we envisioned an announcements component that would allow ASTEC administration and doctors to send announcements to residents and attach resources to those announcements without the ability of residents to comment or post entries themselves.

## Resources

- The Resources component has undergone the most change. The original design was changed after the group decided to improve integration between the resources and the search option. Originally, users had the ability to look at 'Instructor Resources', which ASTEC had requested to be changed to 'Assigned Resources', and 'My Resources', but also had the ability to search resources and organize them in different ways under the search menu. Under the new design, all resources would be incorporated into one list that could easily be reorganized by tags and resources can be more quickly accessed. In our current design, we have tags based on the media types, but after testing, we will continue to discuss expanding this idea to allow for other types of tags.
- The list of resources used in the prototype has also been revised since the initial design. Testers were finding it difficult to look past the dummy resources. In revising the resources, we have sought to provide a more authentic experience as to how that resource may appear in the actual app, and we have tried to align resources used in the calendar and announcements components to topics listed in ASTEC's calendar for the months of March and April.
- We added a tutorial to the Resource section in response to requests made during the initial usability testing in December.

## Feedback

- We have added more depth to the feedback component by adding a base screen with a list of evaluations to complete and ones already submitted. This is in response to a request for a queue identifying all the individual residents' pending evaluation forms.

## Navigation

### Chrome

- Based on feedback and our growing knowledge of best practices, we have revised the bottom chrome bar by changing some of the icons. In particular, we updated the calendar icon, which now indicates the date, and we added titles under the icons easier identification.
- We added a 'Home' icon and 'Announcements' icon to the chrome bar as we expanded the app.
- We revised the upper navigation bar. During our preliminary testing, users became confused when the layout of the upper navigation bar changed. In order to create a consistent experience throughout the app, we redesigned the upper navigation bar by changing the 'Back' button in

the upper left of the screen, and creating a consistent hamburger menu in the upper left. In doing so, we managed to use the same layout for the entire app.

## Hamburger Menu

- This portion of the app originally served as a placeholder for whatever additional functions we would need in the app. Thus, in the original design, the menu bar held random functions that we didn't know what to do with, such as adding an event or uploading a resource. In the revised layout, we have managed to integrate those original menu functions into the proper components. We then took the options found on the home screen and placed them into the menu hamburger for easy access.

## Search

- In the original design, a search icon was present on most pages in the upper navigation bar. In our current iteration, we have removed the search icon, and have instead placed it in the resources component.
- We have also added depth to search component by enabling users to search a web-resource and bookmark that resource so that it can be added to their resource folder.