Printers Pronto

Made by: Team Deneb

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Prototype Link: [link to our Figma prototype](#).
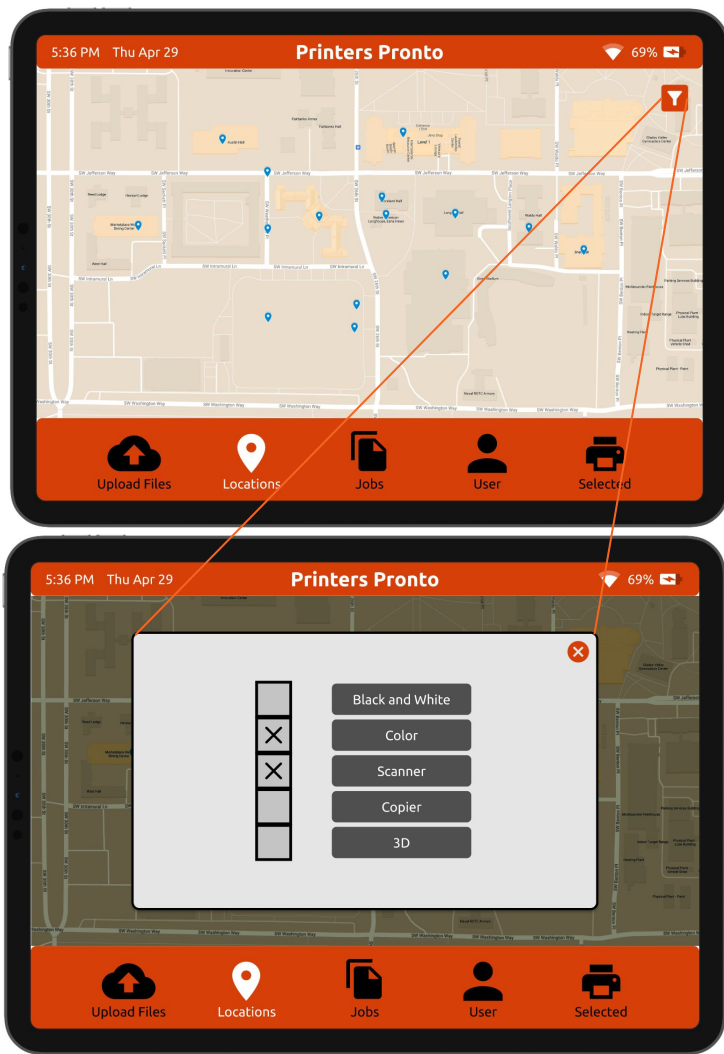
Map + Map (Floating Window)

This screen alone may be the reason why a person would download and use our app! We focused on immersing the user via an interactive map which fills the entire screen. Details for each printer are hidden from view, but they are just a click (or touch) away.

User Research / Design Feedback:

1. Users want the map to be interactive in order to find nearby printers
2. Users would like the ability to filter the printers displayed based on criteria

Insights / Main design choices:

- The map is navigable using touch controls
- Minimalist design maintained by displaying textual information on popup (floating) windows
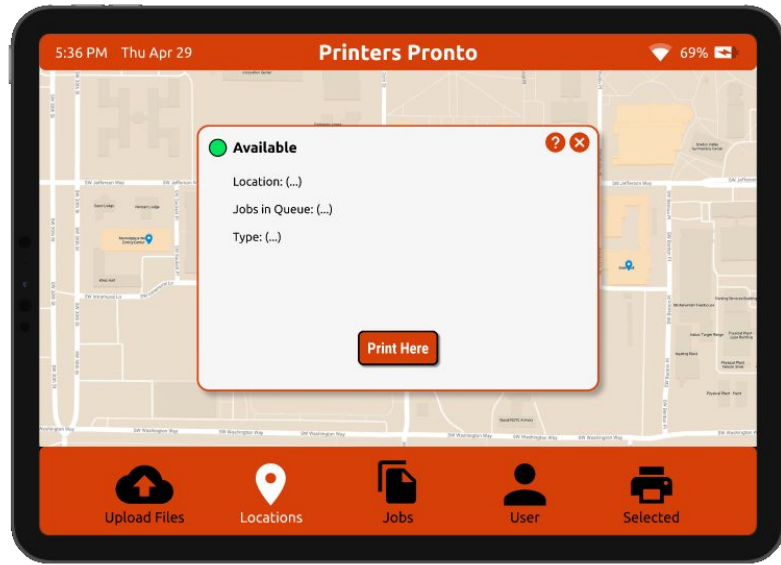
"There is 'help' icon in this screen when a user select a printer, but there's no implementation of it. Is it suppose to provide information on how to print?"

**Tu — An expert, male**

Printer Popup

Once the user presses on the map indicator for a printer, a popup window will appear. This window will display all the printer's information such as what color can the printer print, if it is available, etc.

User Research / Design Feedback:

1. Implement the 'help' icon
2. User wanted help documentation on printing
3. User wanted a 'back' button to go back to previous screen

Insights / Main Design Choices:

- Screen displays the general information about the printer so users have quick and easy information
- Add in a help button to let the user know that they have help if they need on how to print
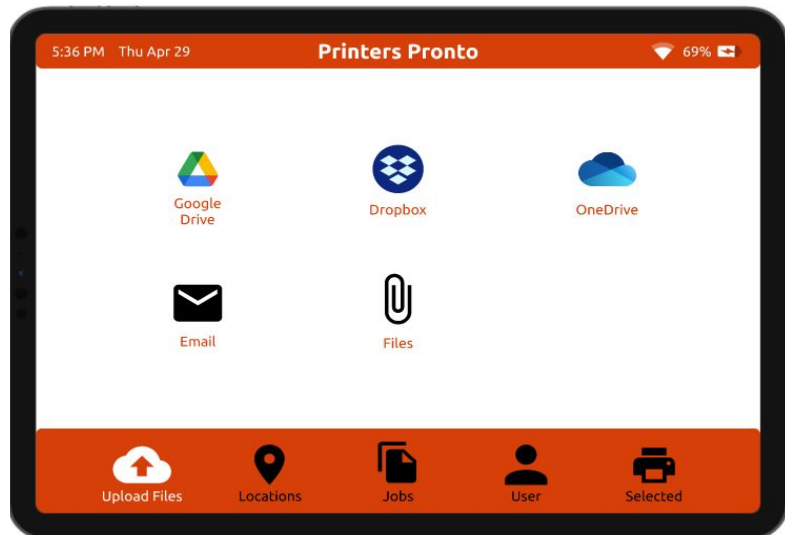
"I was a little confused when I got to this page cause I wasn't used to printing like this, but I understood it after messing around with the icons"

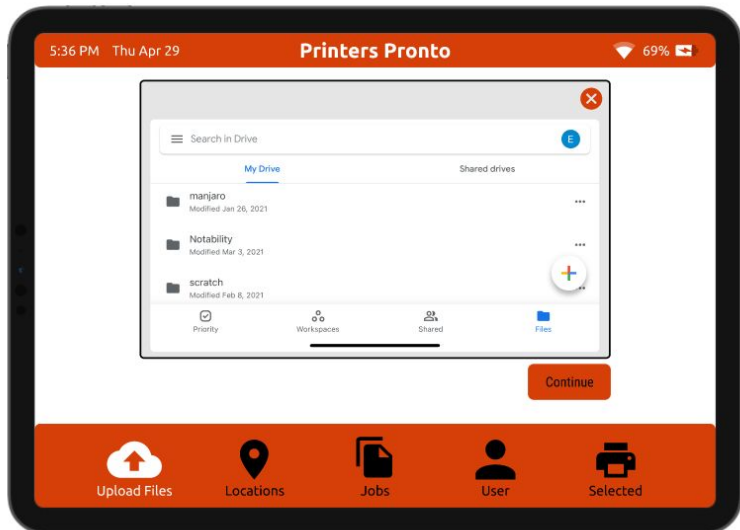**Renee — interview participant, female**

Upload File Page

Once the user clicks the Upload Files in the navigation bar at the bottom of the page. This screen appears and displays the different options that the user can utilize to upload files in the site. Once the user clicks the option it leads them to the drive or file where they upload the document to be printed.

User Research / Design Feedback:

1. User wanted the option to be able to access different drives and also their PC
2. User liked the fact that the Upload file was on the navbar and easy to find

Insights / Main Design Choices:

- Put the official icons for the upload options so users can easily identify which option they want
- Making sure each icon has its own pop-up page

"This was pretty easy to use and understand. I liked the fact that I could go back and pick another option"

Renee — interview participant, female

Upload File Page (Pop-up page)

This page pop ups after the user clicks one of the upload file options. This is an example of the Google Drive icon so this page displays some of the files that the user has in their Google Drive. The user can then pick any file that they wish to upload from their drive then confirm in the next page.

User Research / Design Feedback:

1. User liked how straightforward the page was
2. The user found it easy to navigate the page and enjoyed the familiarity

Insights / Main Design Choices:

- Designed the page to look like the actual Google Drive page so users would find it easy to understand
- Giving the user the option to leave the page and pick another upload option
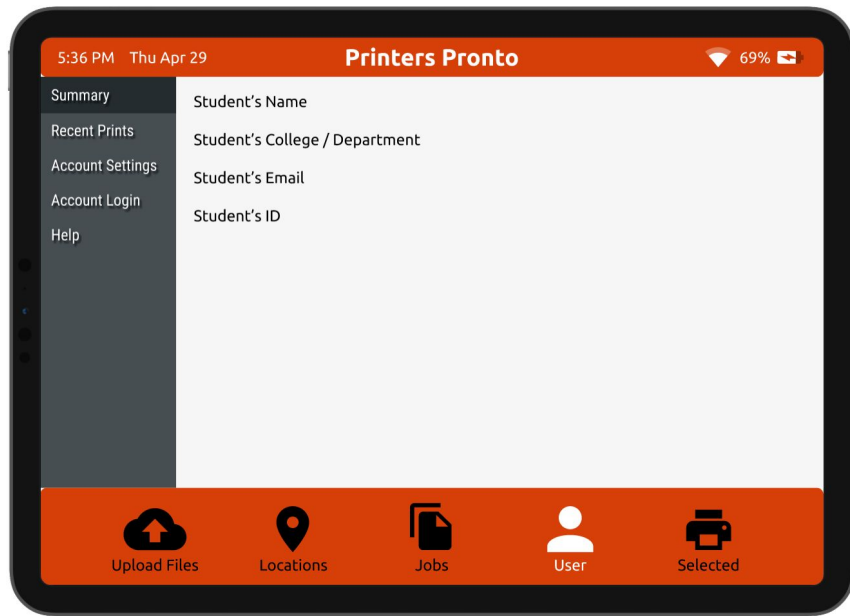
"This page is useful for students that want quick information regarding themselves or printing."

Kevin — An expert, male

User Page

This page will show the user's information such as their name, college, email, and ID. From here, users are able to navigate to other screens such as Recent Prints, Account Settings, Account Login, and Help.

User Research / Design Feedback:

1. User liked the simple design and easy navigation to other pages
2. User liked the quick information

Insights / Main Design Choices:

- Decided to use a side navigation bar for easy and intuitive experience
- Designed to quickly give the user the information they need

Printing Information Page

This page will give users information on how to print, which colleges offer free printing and their locations.

User Research / Design Feedback:

1. User liked the information on how to print
2. User liked the information on free printing

Insights / Main Design Choices:

- Decided to use a side navigation bar for easy and intuitive experience
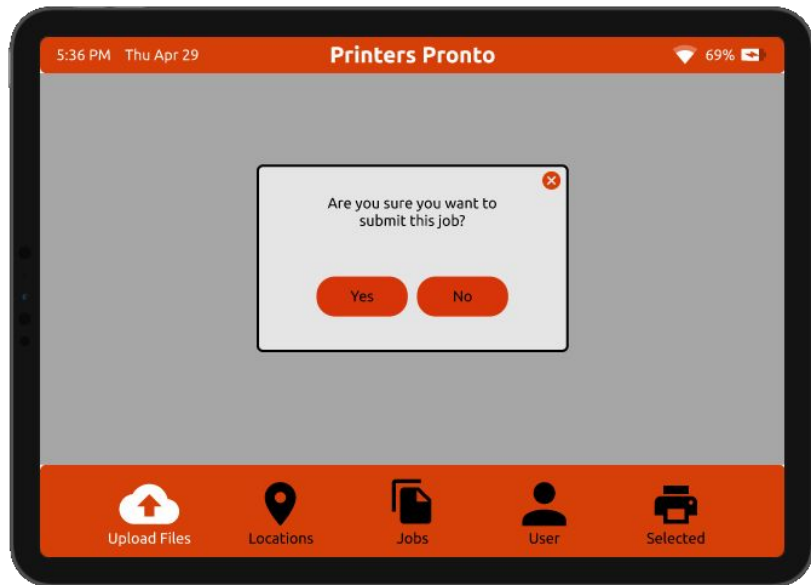- Designed to give users information on free printing where otherwise difficult to find

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Summary
Recent Prints
Account Settings
Account Login
Help

How to Print:

"Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum."

Where Free Printing is Available:

[this is dependent on what college the user is in. If the user doesn't belong to any that offer free printing, then this will say they don't have the ability.]

Upload Files | Locations | Jobs | User | Selected

"This page is useful for both new and old students that need help on how to print, or information on if free printing is available for them."

Kevin — An expert, male

"There is no error prevention message that asks the user to verify if the file they selected is the correct file they want to submit"

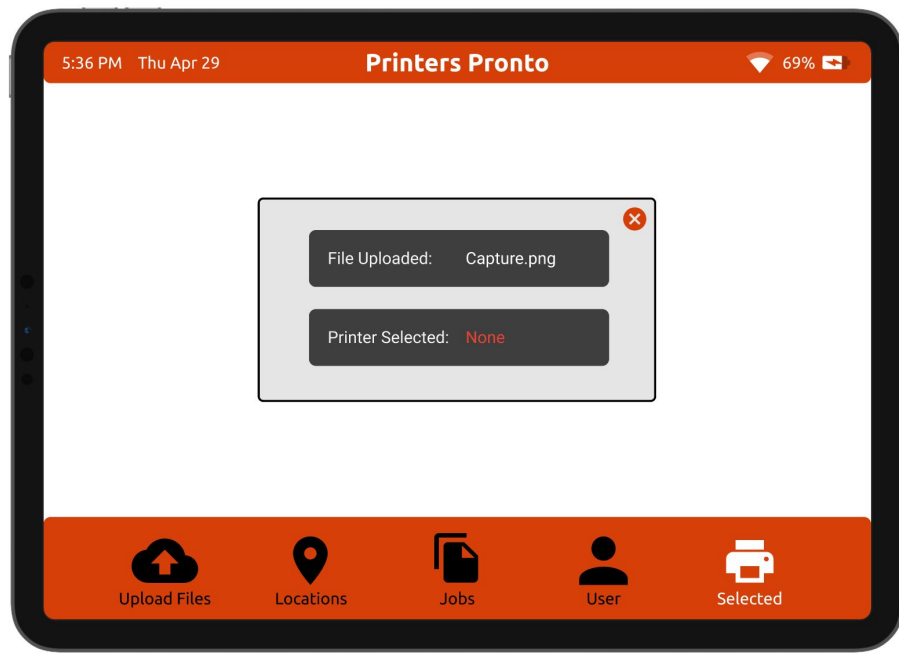**Tu — An expert, male**

Confirm Job Page

Once the user selected a file to print base on their selection, the user will be guided to this screen. This screen displays the confirmation to make sure that the file they selected was correct or not and they can change it.

User Research / Design Feedback:

1. User wanted to implement a page for confirmation
2. Screen must be straightforward with the content asking user to verify

Insights / Main Design Choices:

- Added a new screen to help the user verify their upload before continuing with the process
- Decide that this verification is important as it provides error prevention to users

On the tablet screen:

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File Uploaded: Capture.png

Printer Selected: None

Navigation bar: Upload Files | Locations | Jobs | User | Selected

"I decided to switch which file I wanted to print and couldn't figure out what document the app thought I wanted to submit."

Sam — Observational study participant, male

Selected Printer/File Page

This screen simply informs the user which file has been uploaded and which printer is currently selected.

User Research / Design Feedback:

1. User got lost and could not see the status of the app (i.e. which document was uploaded)
2. Users wished they could see their selected choices

Insights / Main design choices:

- A new icon was added to the navigation bar whose sole purpose was to display user selections
- A "back" button was added to this screen to return the user to whatever stage they were at in the printing process

Jobs

Display all of the print jobs that the user submitted to the application and their status. Status may be that it is finished with the print job, pending to print, or is ready to print.

User Research / Design Feedback:

1. User wanted better wording for status
2. User wanted to add in an indicator as a pop-up to tell if the print job is done
3. The screen must be consistent on wording

Insights / Main Design Choices:

- Change the wording to make it easier for the user to understand if the print job is done
- Decide to have the same layout and not add in indicator and change the word to be easier to understand

"Adding status messages that let the user know that the job is printing and if the document successfully printed or not would definitely improve the user experience."

James — A user, male

(tablet screen content)

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File Name	Release Code	Printer ID	Status
Capture.png	73452	East Wing	Job Submitted
secret_tax_form.pdf	09823	South Wing	Job Submitted
chicken_parm.pdf	88781	West Wing	Job Complete
beef_parm.pdf	88780	North Wing	Job Complete
pork_parm.pdf	88779	Library 123	Job Complete

Upload Files   Locations   Jobs   User   Selected