NOVA SCHOOL OF SCIENCE & TECHNOLOGY

Interação Pessoa-Máquina

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Troca Tintas

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Paper prototype Report

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Sketches

This application implementation took into consideration several user demographics, and usability of the wannabe application, with that in mind we elected to develop a Web application, since it can be both used on a computer as well as in a mobile browser with considerations that most users would likely use our application before their trips to a hobby store, or while at home and painting.

As for the design, the following pictures should provide an initial sketch of the application itself, however they might change as the team implements the necessary logic/design and better ones arise.
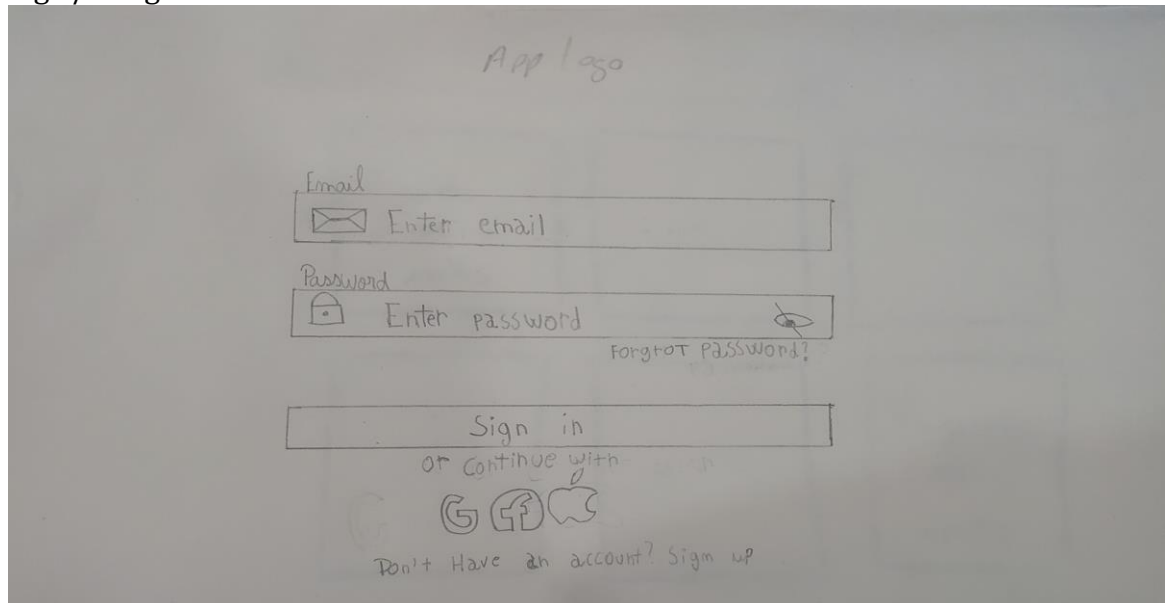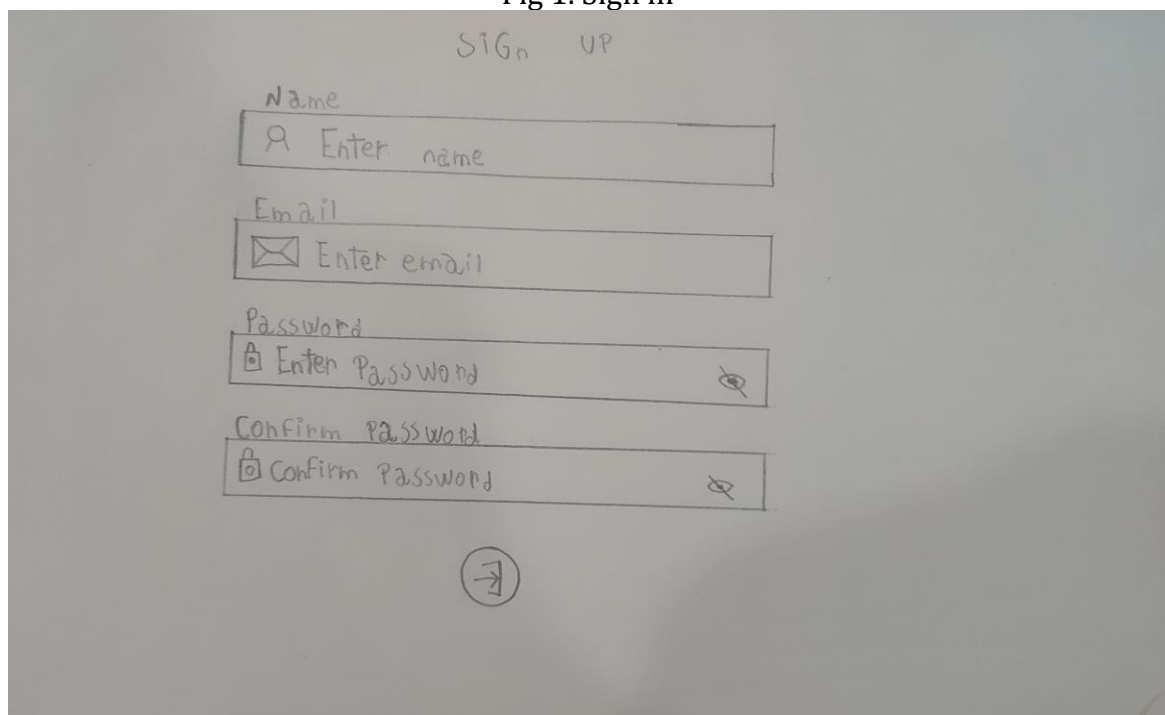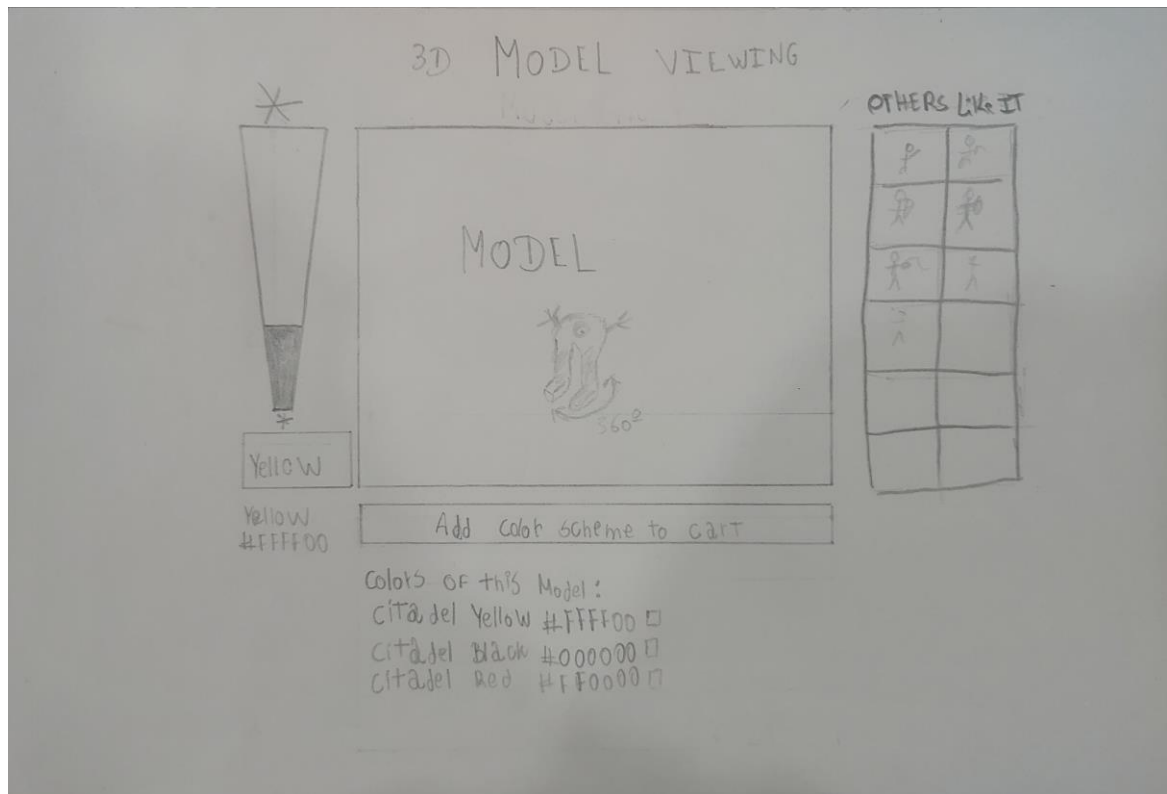

Fig 1. Sign in

Fig2. Sign up
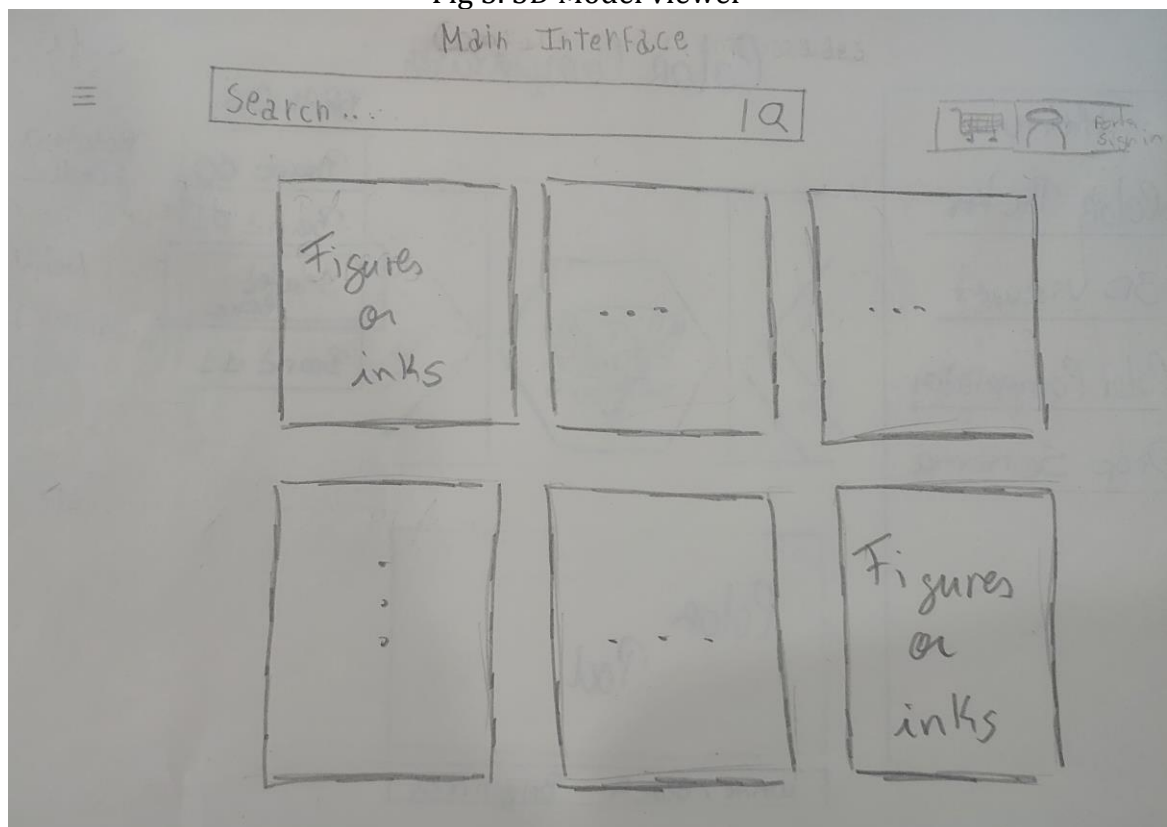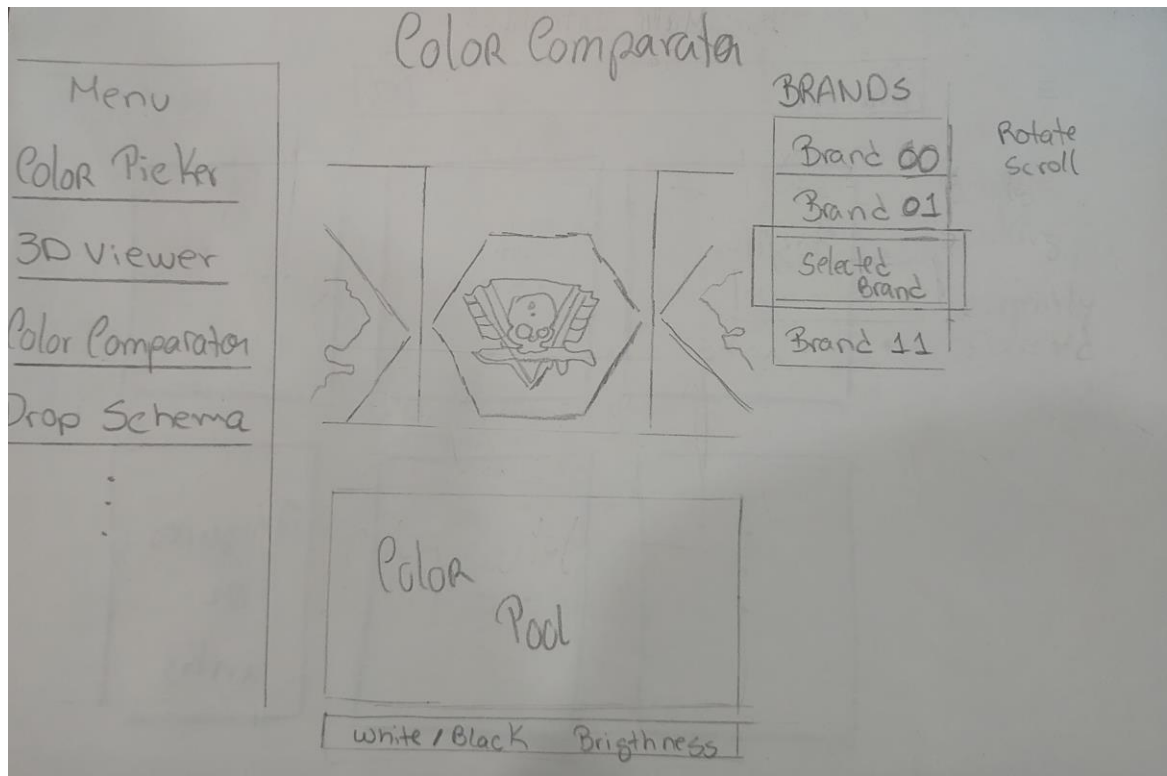
Fig 3. 3D Model viewer

Fig 4. Landing Page

Fig 5. Color Comparator
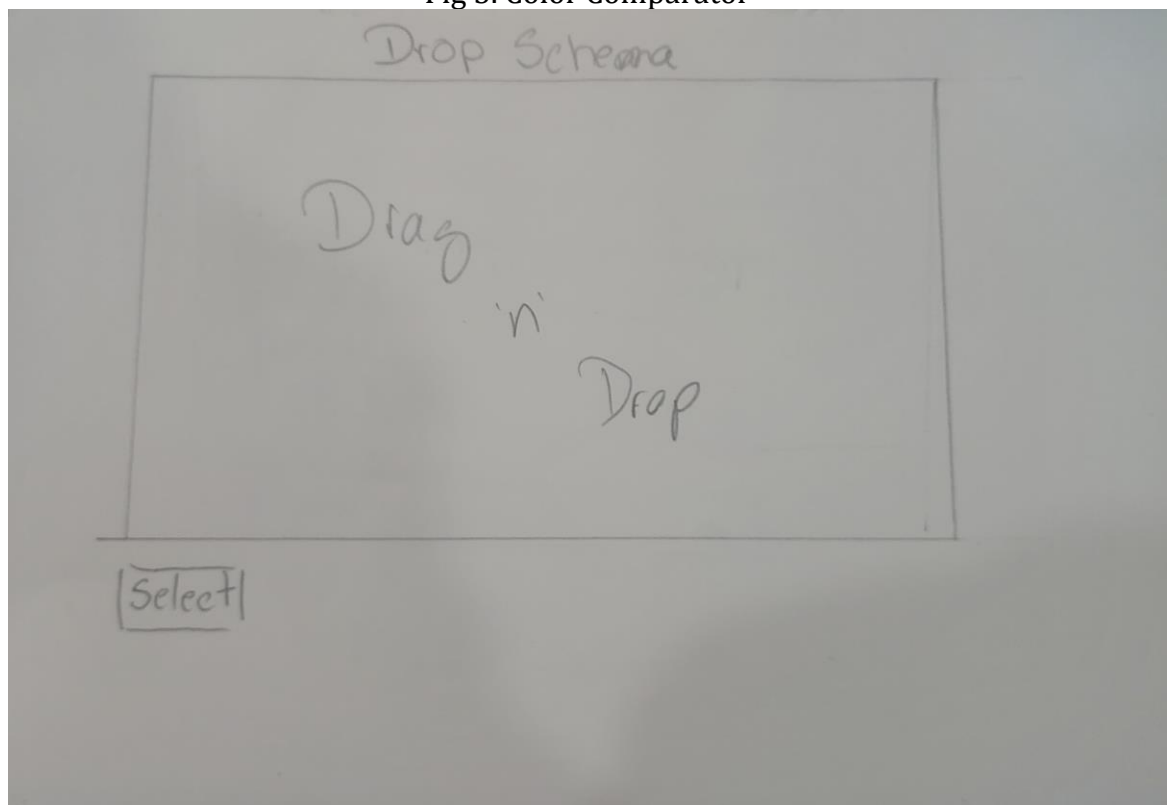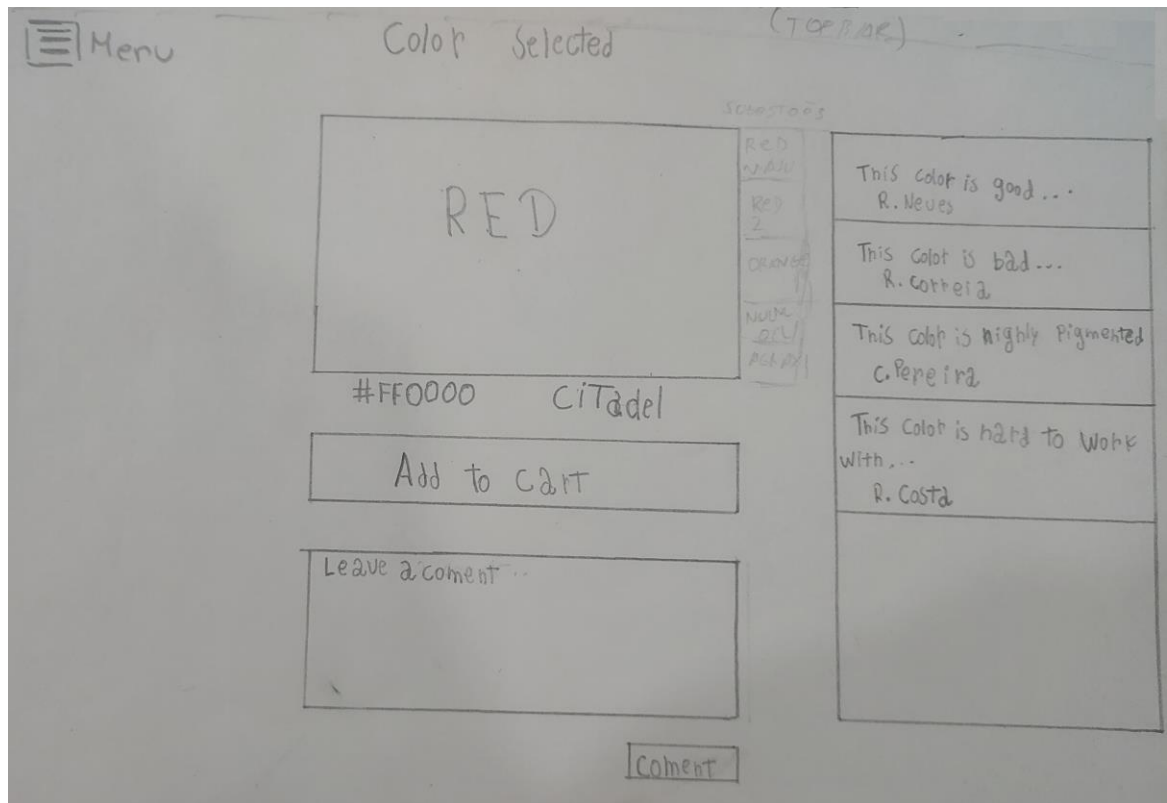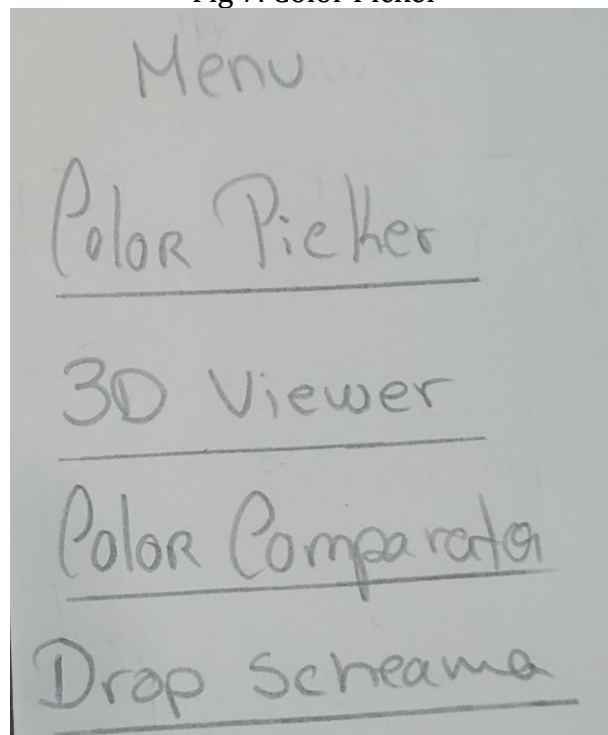

Fig 6. Drop Schema

Fig 7. Color Picker

Fig 8. Menu

Prototype photos

As it is possible to see in the above pictures, in the main screen (Fig4), a search bar where it would be possible to filter by color or other tags, an initial gallery, shopping and account section and a menu that opens when clicked on.

The menu (Fig. 8) allows the user to navigate between several pages of the application, including Color Picker, 3D Viewer, Color Comparator, Drop Schema.
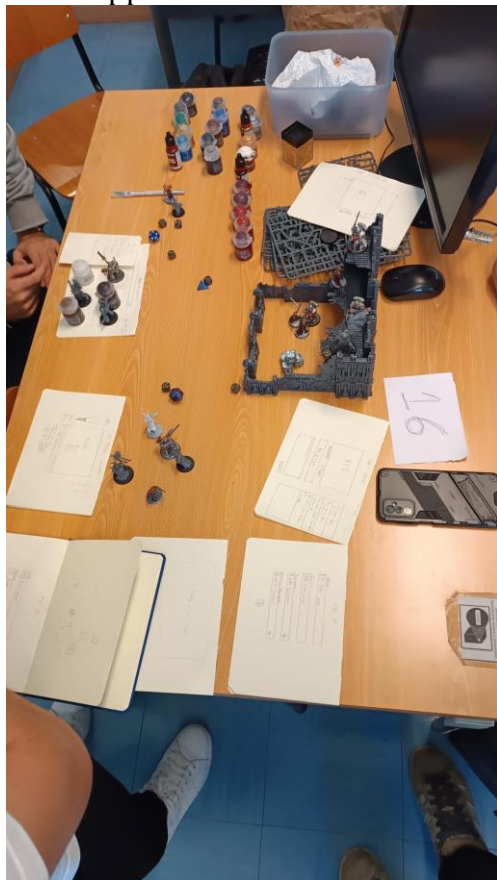
As for the color comparator page (Fig5) it is possible to select a color and shade where the app then will display the color that most resembles with the picked RGB, it is also possible to compare between the varied brands that have that color or "close enough"

The "Drop Schema" page (Fig6) simply allows for drag and drop of an already painted figure to compare with others or see in more detail on the 3D viewer page.

As for the "Color Picker" (Fig7) Page allows the user to check reviews of the specified color, make his own comments and add it to the shopping card.

The "3D Viewer" page (Fig3) allows the user after selecting a figure to check it by every angle with a 3D view of the entire figure where he can also pick colors and check how it would turn out after painting, this page also allows to see already defined color schemes for the selected figure and finally add to the card the selected colors.

The Sign in and sign-up pages (Fig 1, Fig 2), are used for users to log in and sign-up to the application.

Storyboard

We chose some relevant tasks,

Task 1: Compare paints
1. Click the hamburger menu (fig 1)
2. Click "Color comparator" (fig 5)
3. Click the preferred brand (fig 5)
4. Click the preferred color in the color pool, that now appears (fig 5)
5. Do step 3 and 4 again. Now both colors are onscreen and can be compared!

Task 2: Exploring Paint Schemes
1. In the search bar write the name of the model you want to see schemes for (fig 4)
2. Scroll through the (now) filtered view until you find one you enjoy (fig 4)
3. Click it(fig 4)
4. You can now see the model in 3d, rotate it, and check the color scheme in the bottom of the screen(fig 3)

Task 3: Color Planning
1. Click the hamburger menu (fig 4)
2. Click "Drop Schema" (fig 6)
3. Drop the desired photo (fig 6).
4. The app redirects to 3D Model Viewing (fig 3)
5. Rotate your model, click any color you dislike (fig 3)
6. Here you can change the color (by clicking the color pool) (fig 3)
7. This takes you back to the 3D model viewing. (fig 3)
8. When your happy press the "add color scheme to cart" button, to download a list of your paints. (fig3)

Briefing

Our application empowers users to compare different painting brands for tabletop miniature painters. This app is meant for people of any skill level or experience, who desire to get into or improve/save money on their painting hobby. The paints and miniatures you see in front of you are an example of that. How would you go about picking a color scheme, and what paints to use? What about where to get them or what brand? It is exactly that issue that we have set out to solve! We also have some scenarios we are going to ask you to play out, so you can test our app and give us feedback. Ready?

Scenarios

Scenario 1: Paint Comparison and Review

You are John, an experienced Wargame player who wants to compare different shades of red from Citadel and Vallejo paints.

John, a painter that really likes highly pigmented paints, which are noticeably harder to work with, but with good skill, a lot more flexible, decides to comment on one of the paints, warning others that it is best for experienced users. Afterwards, he adds the chosen paints for his new army to his shopping list.

Scenario 2: Paint Scheme Exploration for a New Model

You are Anna, a beginner hobbyist, is painting her first *Warhammer* miniature and feels unsure about where to start and how to choose a color scheme.

She accesses the paint scheme gallery and filters by her model type and Citadel paints. She finds one she likes and clicks on the model to zoom in and examine the colors closely. Inspired, she adds the colors used in this scheme to her shopping list.

Scenario 3: Color Planning and Shopping List Generation

You are Rafael, a returning painter that left the hobby a couple of years ago, uploads a photo of one of his older models that he had already forgotten the paints he used, because he wants to paint other miniatures in the same tone.

So, he uses the paint suggestion tool to analyze its current colors. Satisfied with the suggestions, Rafael then decides to use the 3D Model Viewer to adjust the brightness of a color to a deeper shade, as he feels would improve the new models. He adds all the selected paints to his color planner, generating a shopping list for his next trip to the hobby store.

Observation

Although the users did not have any kind of experience with painting minis, feedback received from the testing day was verry positive overall with one pointing out that

the application seemed a bit confusing but by the 3rd scenario he got the gist of it, making us think he just did not understand the initial briefing. Other useful feedback was the