

Senior Project Final Presentation Summer 2023

Auditory Training App

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Product Owner: Dr. Alliete Alfano

Professor: Masoud Sadjadi

*School of Computing and Information Sciences
07/24/23*



Our Main Focus:

This semester, we focused on adding new pages, increasing functionality, and re designing the UI for the application. The entire layout of the application was updated for consistency, following HCI principles to enhance user accessibility and create a more modern look. Our contributions to each page are as follows:

- **Auth - Small UI Changes**
 - Update title & textboxes for consistency
- **Settings – UI Re design**
 - Add logo with bounce effect to page
 - Update title & textboxes for consistency
- **Game Activities – UI Re design & Fix Bugs**
 - Fixed bug in Identification Activity that would play extra sounds at random times
 - Updated all icons and card styles within lingActivities
 - Added text instructions to all lingActivities
- **Forum – UI Re design & Add Forum Topics, Messaging, and Notifications**
 - Laid groundwork to set up forum topic threads, messaging, and notifications
 - Updated forum post layout for visibility
- **Support Page – Addition of Support Page**
 - Added Support Page to application
 - Laid groundwork to make submit button functional
- **Reports Page – UI Re design & Pagination**
 - Updated UI for consistency
 - Added pagination to reports list
- **Activities Page – Re design UI & Recent Activities**
 - Updated all icons and card styles
 - Implemented recent activities section
- **In Between Page – Addition of In Between Page**
 - Added in between page to allow users to pick between drill and game activities
- **Game Pages – Addition of Game Pages for Each Activity Type**
 - Added game pages for each activity type (Before all activities were stored under 'Detection')
 - Added Descriptions and names to activities
- **Navigation Bar – Complete Re design**
 - Added navigation to all relevant pages on app (Dashboard, Activities, Forum, Reports, Support)
 - UI updated
 - Removed forum button from right corner
- **Dashboard – UI Re Design**
 - Updated all icons and card styles
 - Updated title and layout

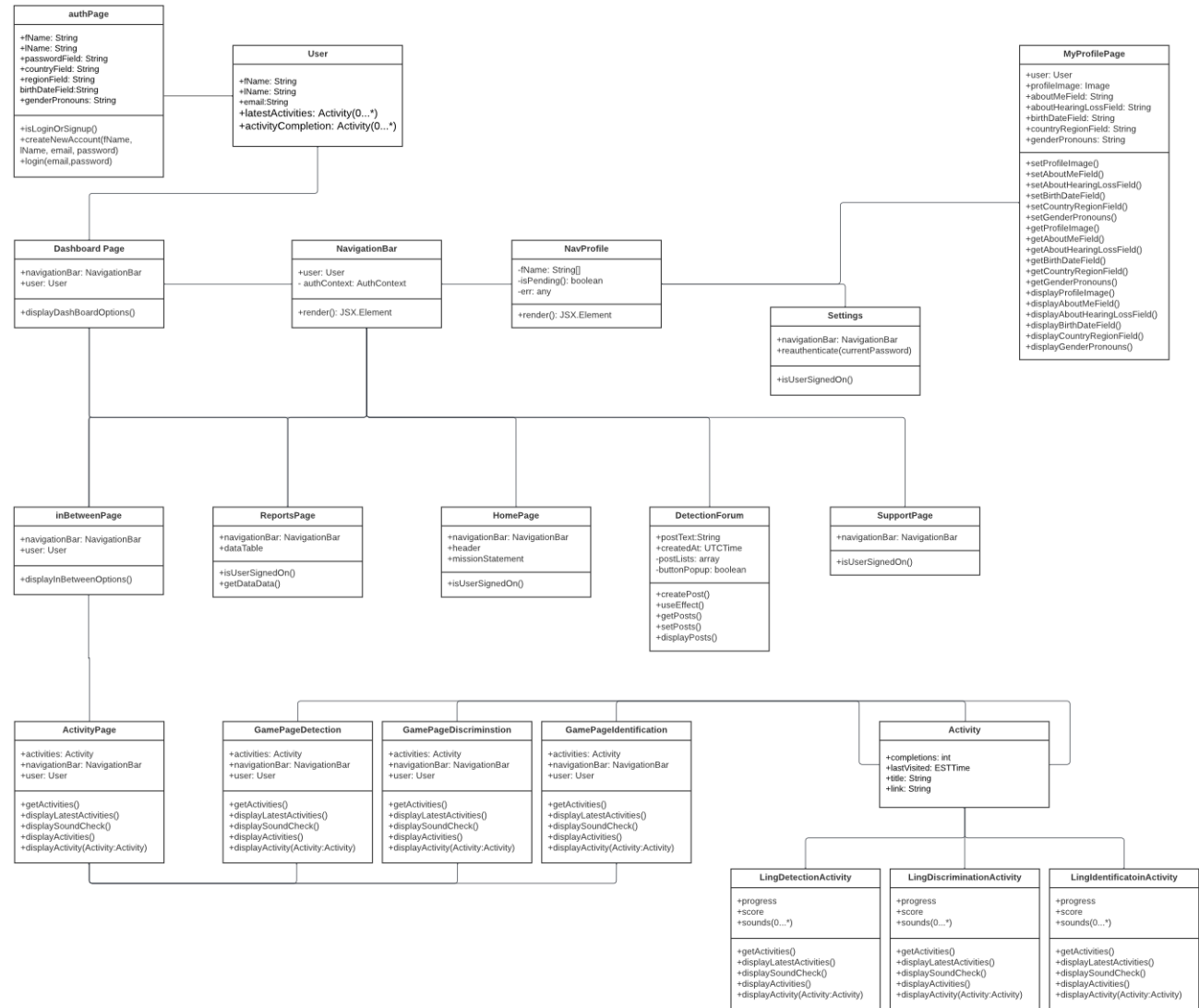
User Stories:



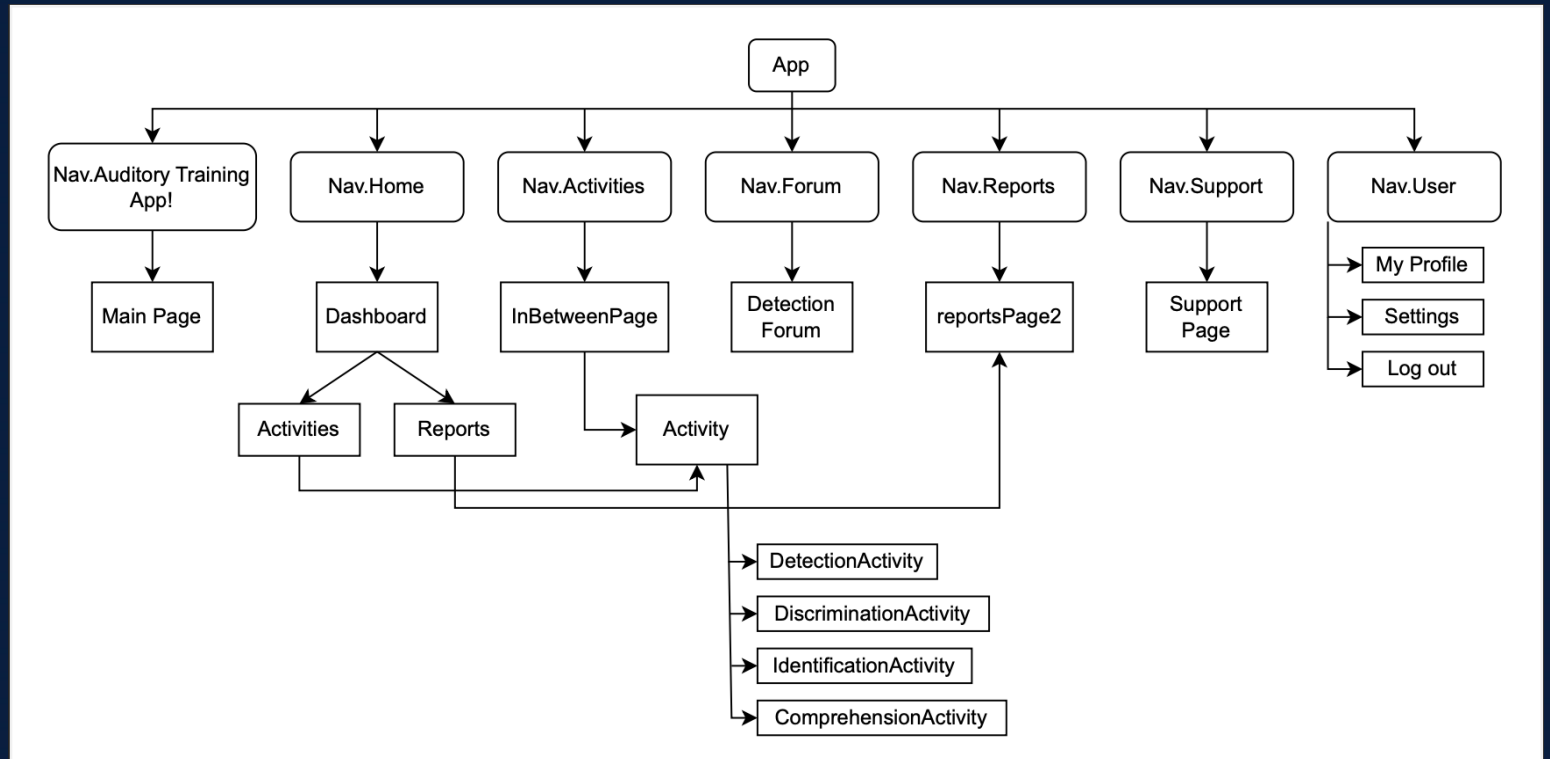
- **Auth Page**
 - Add rounded border to text boxes
- **Game Activities**
 - Update card styles
 - Update Icons
 - Fix bug in Identification Activity where extra sounds were playing
 - Add text instructions
- **Forum**
 - Update layout of page
 - Update format for forum posts
 - Add forum topic threads (started)
 - Remove discrimination & identification forums
- **Settings**
 - Add logo with bounce effect
 - Add rounded border to text boxes
- **Reports Page**
 - Update UI to match other pages
 - Add pagination to reports list
- **Support Page**
 - Add Support Page to Application
 - Make submit button functional (Started)
- **Navigation Bar**
 - Modify UI
 - Link to: Home , Dashboard, Activities, Reports, and Support Pages
- **Activities Page**
 - Update card styles
 - Update Icons
 - Implement recent activities section
- **In Between Page**
 - Added in between page to allow users to pick between drill and game activities
- **Game Pages**
 - Added game pages for each activity type (Before all activities were stored under 'Detection')
- **Dashboard Page**
 - Update card styles
 - Update Icons
 - Update layout
 - Add descriptions & names



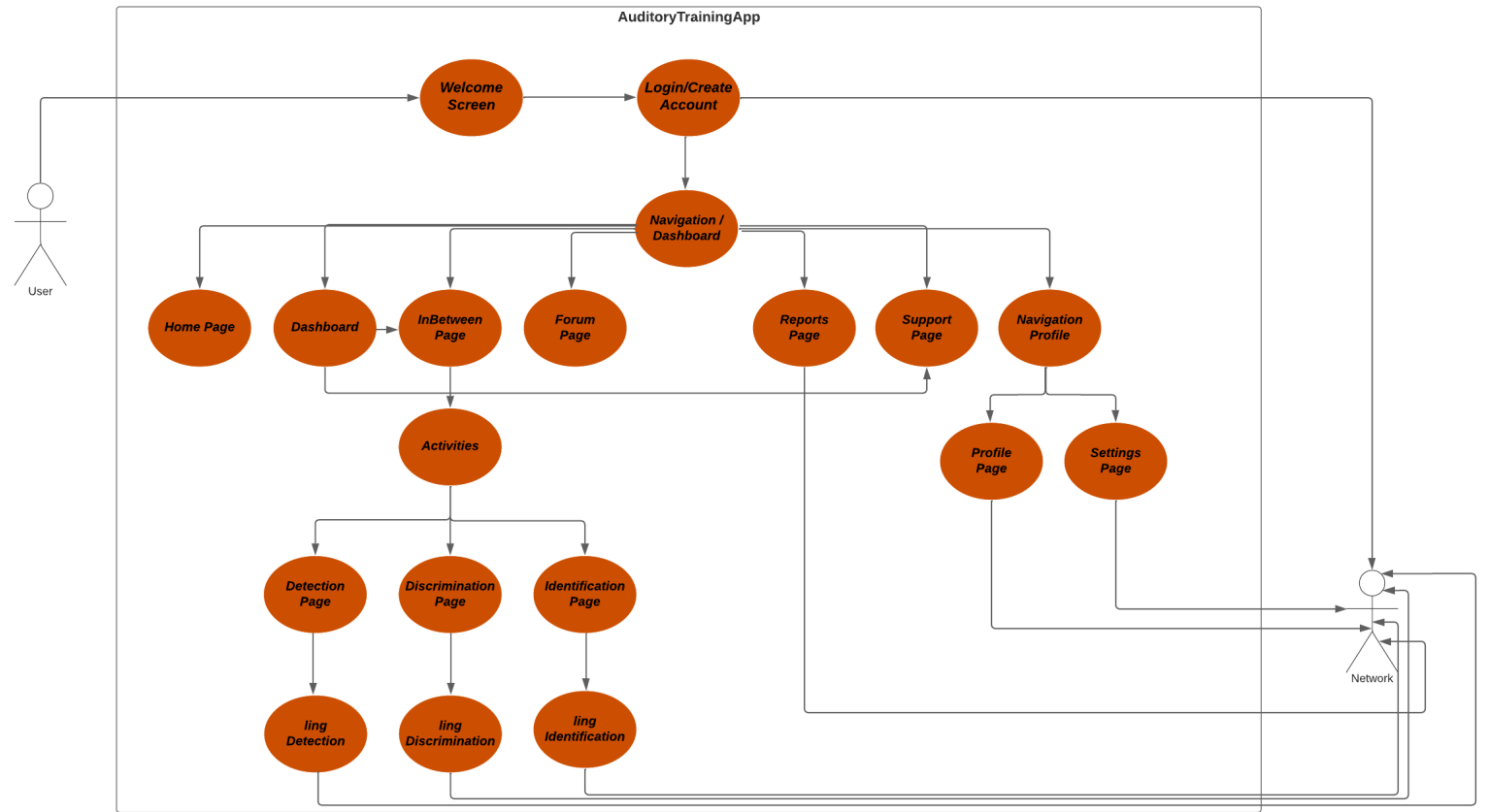
Object Design Diagram:



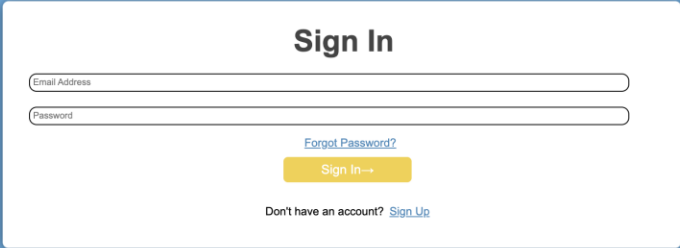
System Design Architecture:



Use Case Diagram



Auth Page



Sign In

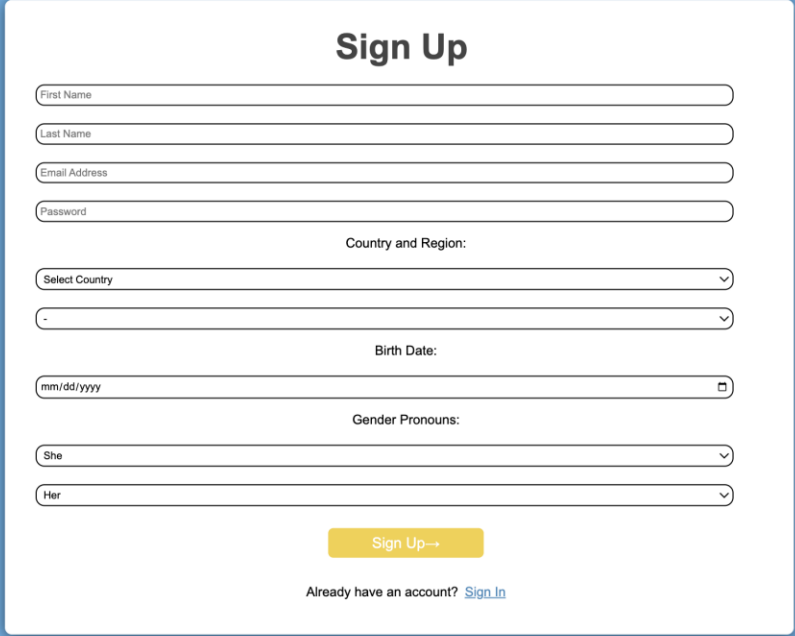
Email Address

Password

[Forgot Password?](#)

[Sign In](#)

Don't have an account? [Sign Up](#)



Sign Up

First Name

Last Name

Email Address

Password

Country and Region:

Select Country

Birth Date:

mm/dd/yyyy

Gender Pronouns:

She

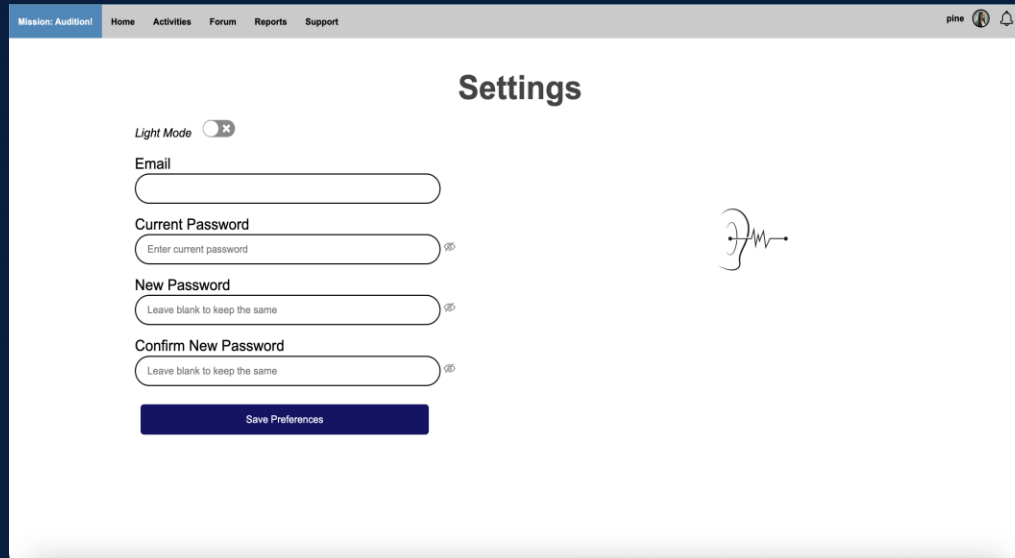
Her

[Sign Up](#)

Already have an account? [Sign In](#)

- Users can now see consistency in the rounded text boxes throughout the application

Settings



The screenshot shows the 'Settings' page in light mode. The title 'Settings' is centered at the top. Below it, the 'Light Mode' toggle is turned on. The form includes fields for 'Email', 'Current Password', 'New Password', and 'Confirm New Password', each with a placeholder text. A 'Save Preferences' button is at the bottom. A decorative waveform icon is on the right.

Mission: Audit! Home Activities Forum Reports Support pine

Settings

Light Mode ☒

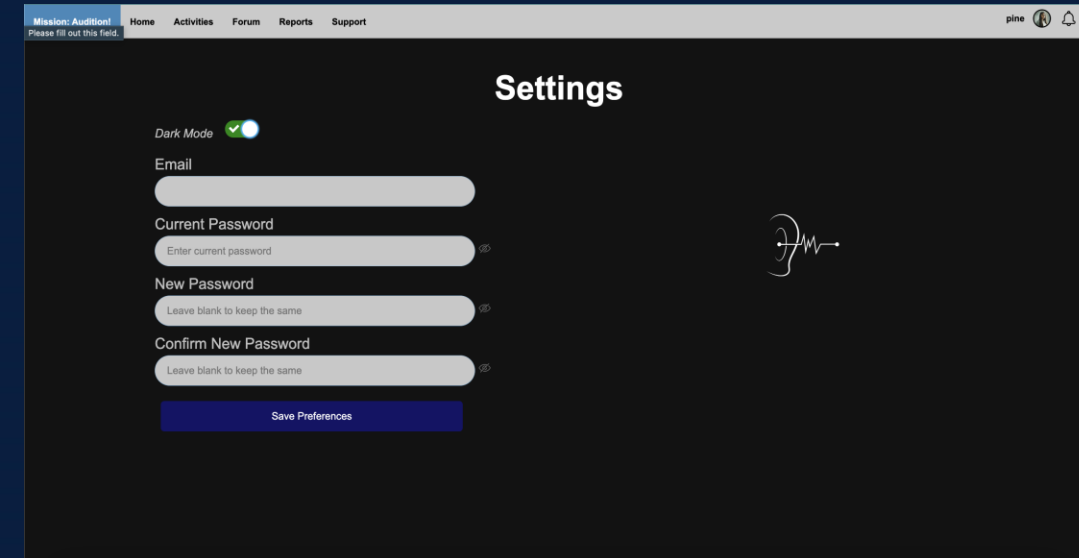
Email

Current Password

New Password

Confirm New Password

Save Preferences



The screenshot shows the 'Settings' page in dark mode. The title 'Settings' is centered at the top. Below it, the 'Dark Mode' toggle is turned on. The form includes fields for 'Email', 'Current Password', 'New Password', and 'Confirm New Password', each with a placeholder text. A 'Save Preferences' button is at the bottom. A decorative waveform icon is on the right.

Mission: Audit! Please fill out this field. Home Activities Forum Reports Support pine

Settings

Dark Mode ☒

Email

Current Password

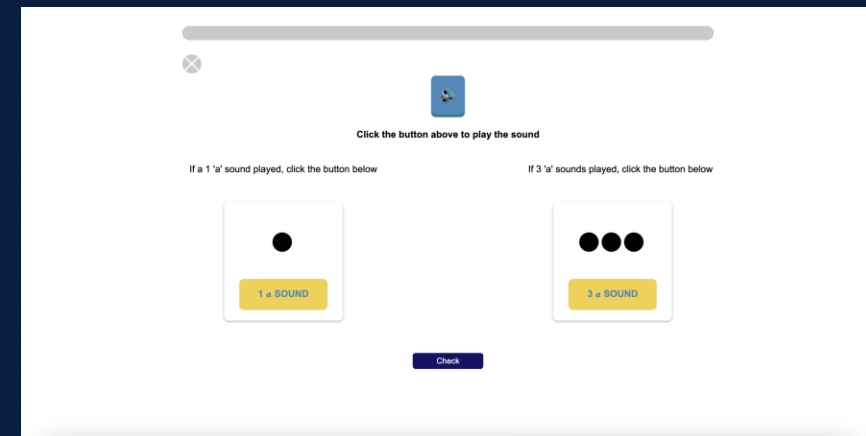
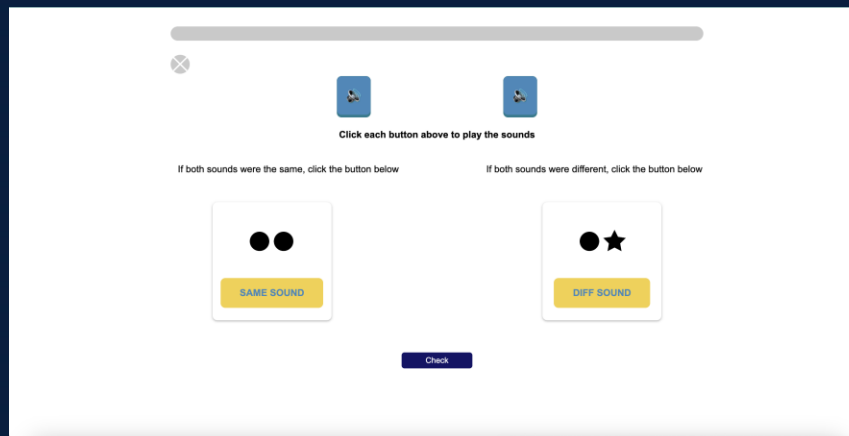
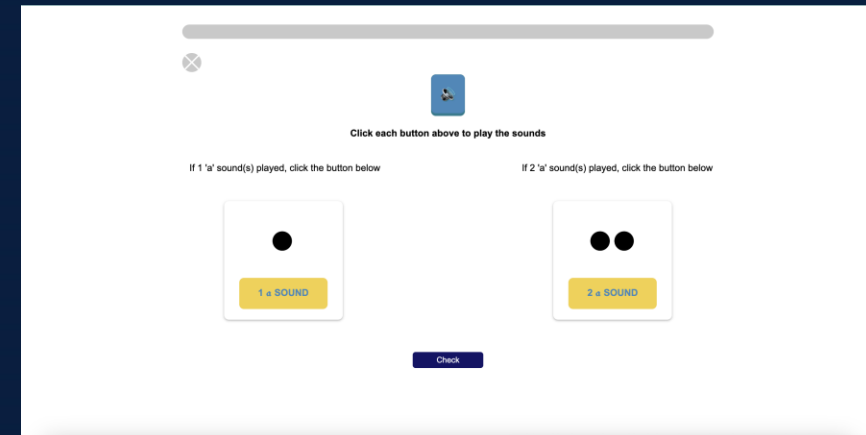
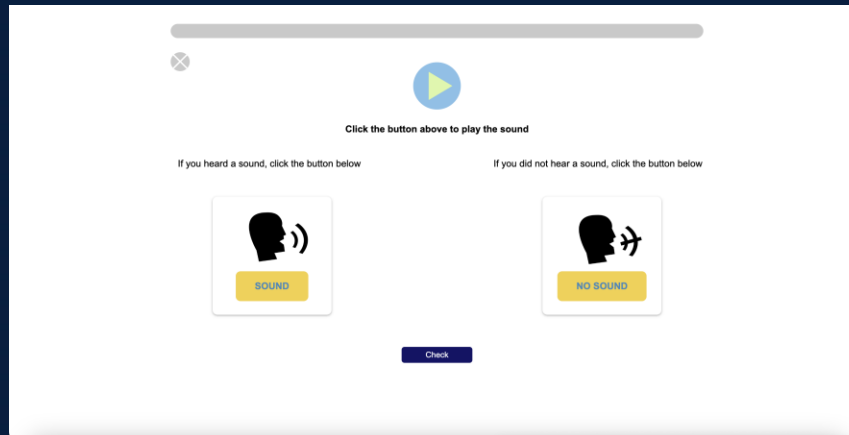
New Password

Confirm New Password

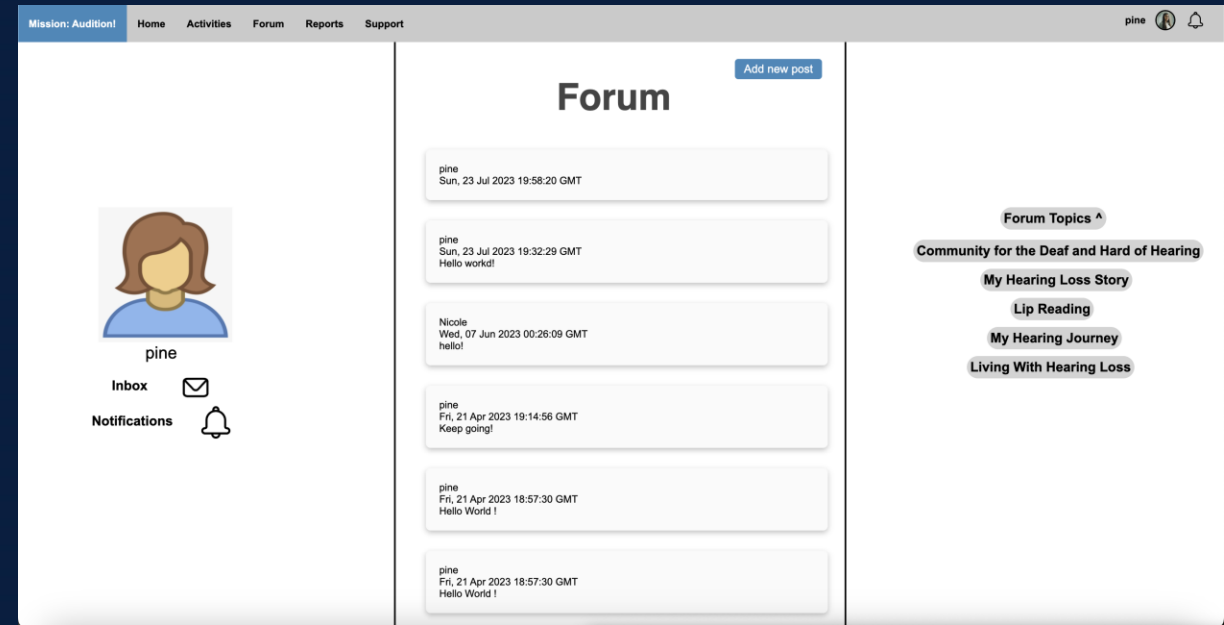
Save Preferences

- Users can now see consistency in the rounded text boxes throughout the application
- Save Preferences button updated for consistency
- Updated Title color & position for consistency

Game Activities



- Icons have been updated for consistency with the rest of the application
- Instructions have been added for increased accessibility
- Check button updated for consistency



After

- FLORIDA INTERNATIONAL UNIVERSITY

Reports Page



Mission: Audition! Home Activities Forum Reports Support



Reports

Export



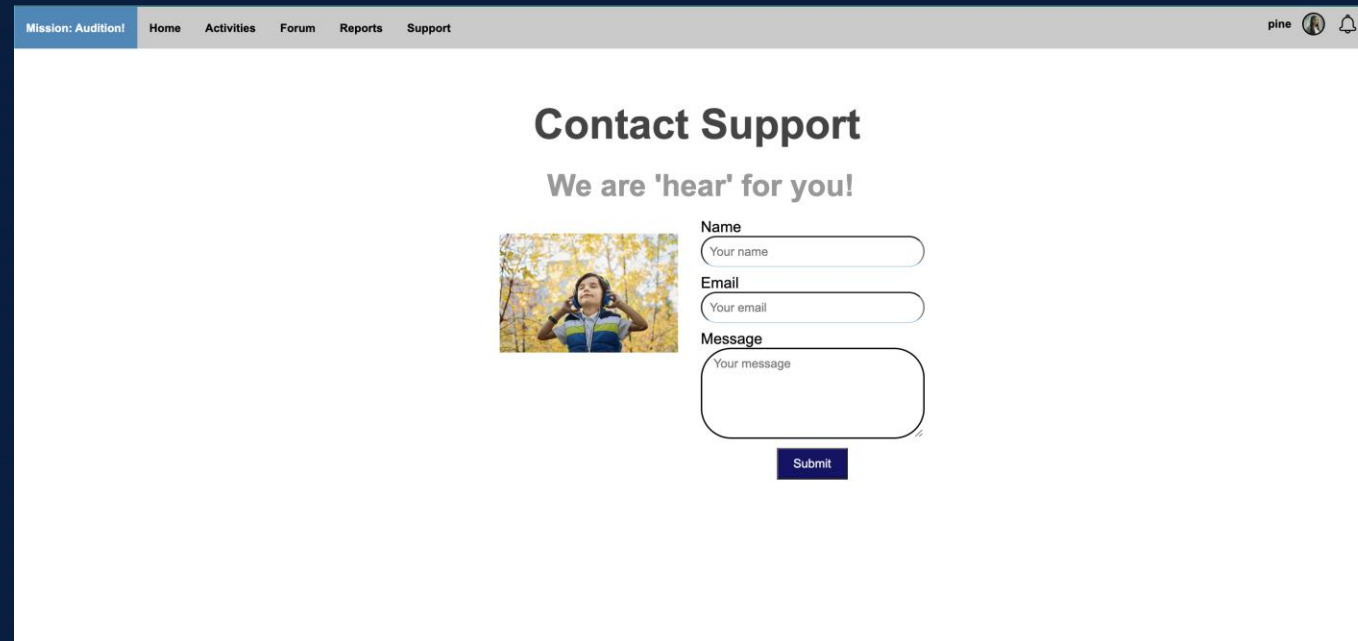
Activity Type	Date	Time	Score
Detection	14/03/2023	17:02:38	60%
Detection	14/03/2023	17:02:52	50%
Detection	14/03/2023	17:02:59	50%
Detection	14/03/2023	17:03:00	50%
Detection	14/03/2023	17:03:05	70%
Detection	14/03/2023	17:03:10	60%

Detection	24/07/2023	10:23:48	60%
Detection	24/07/2023	14:34:19	20%
Detection	24/07/2023	14:34:41	50%
Detection	24/07/2023	14:35:37	50%
Detection	24/07/2023	14:36:11	60%

1 2 3

- Updated UI for consistency (Title, Images, buttons)
- Users can export their reports to csv using the 'Export' button
- Added pagination for reports list so users do not have to scroll down a long list of results

Support Page

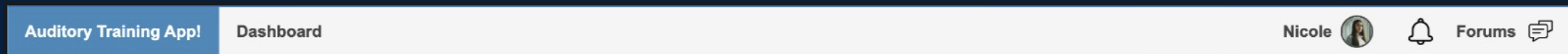


The screenshot shows a web application's support page. At the top, a navigation bar includes a 'Mission: Audition!' link and menu items for Home, Activities, Forum, Reports, and Support. On the right of the navigation bar, the user 'pine' is logged in, with a profile icon and a notification bell. The main content area is titled 'Contact Support' with the tagline 'We are 'hear' for you!'. To the left of the form is a small image of a person wearing headphones. The form consists of three input fields: 'Name' (placeholder: 'Your name'), 'Email' (placeholder: 'Your email'), and 'Message' (placeholder: 'Your message'). A blue 'Submit' button is located at the bottom right of the form.

- New page added for users to get assistance while using the application
- Upon submission, once backend is completed, the message will be sent to Dr. Alfano's lab email for review
- Page UI is consistent with the rest of the application

Navigation Bar

Before



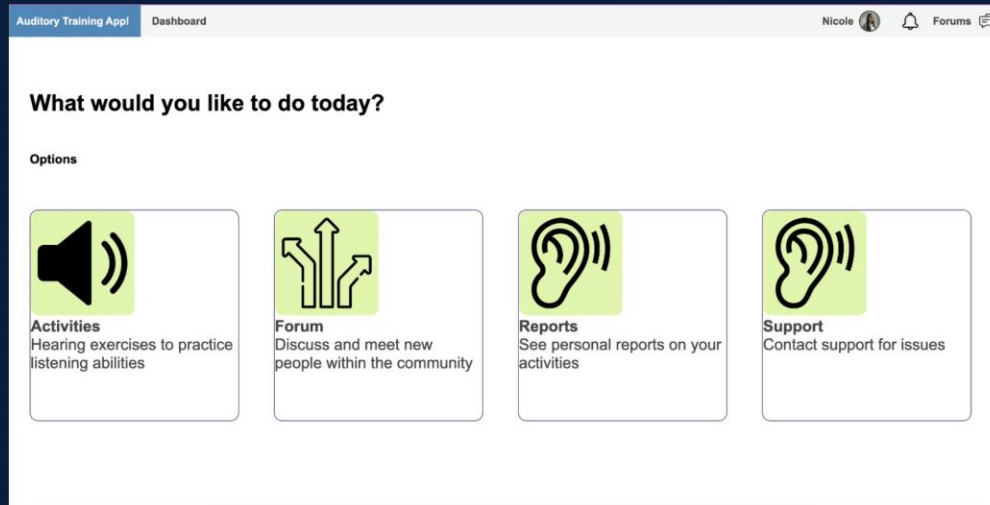
After



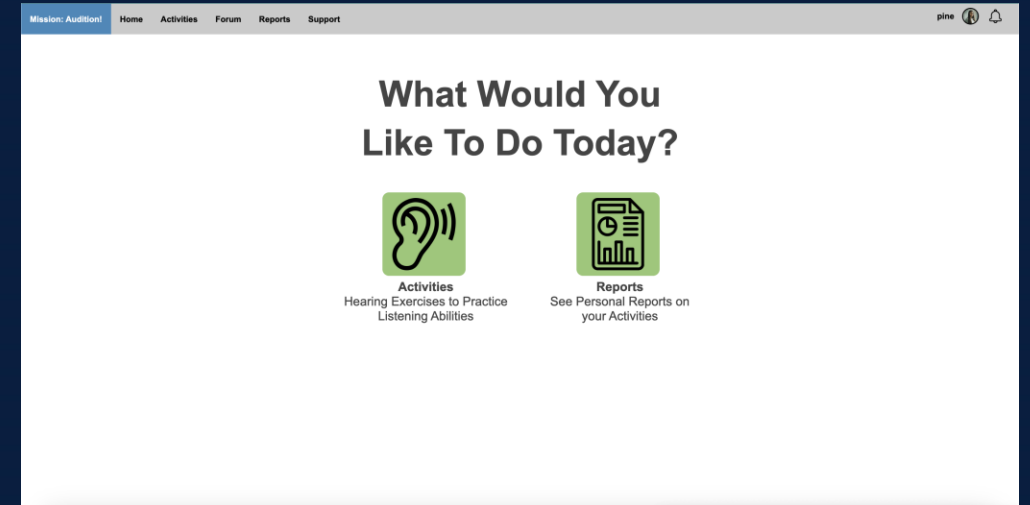
- Users can now navigate to all pages on the app through the navigation bar
- Color was changed for accessibility and visibility
- Name of application ("Mission Audition!") added to link to home page



Dashboard Page



Before



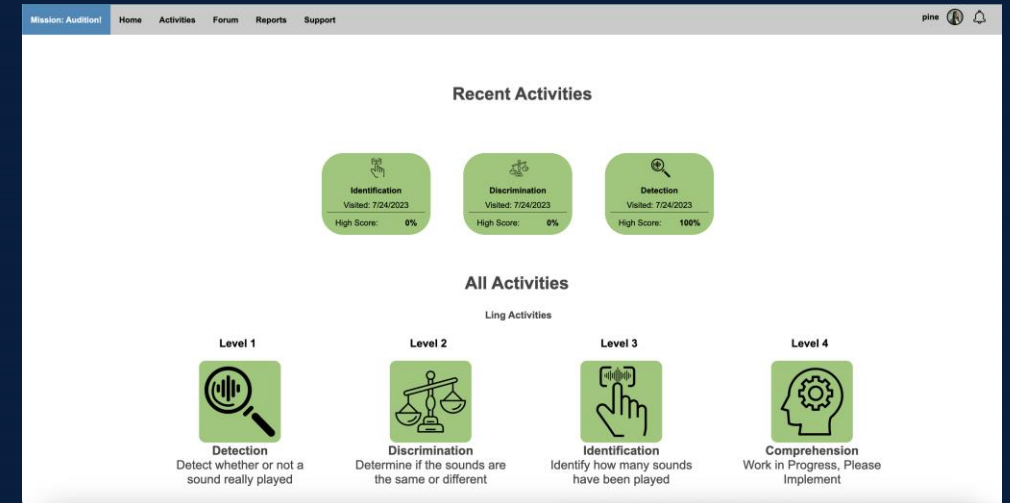
After

- Updated icons and card styles
- Updated page layout
- Updated title for consistency

Activities Page



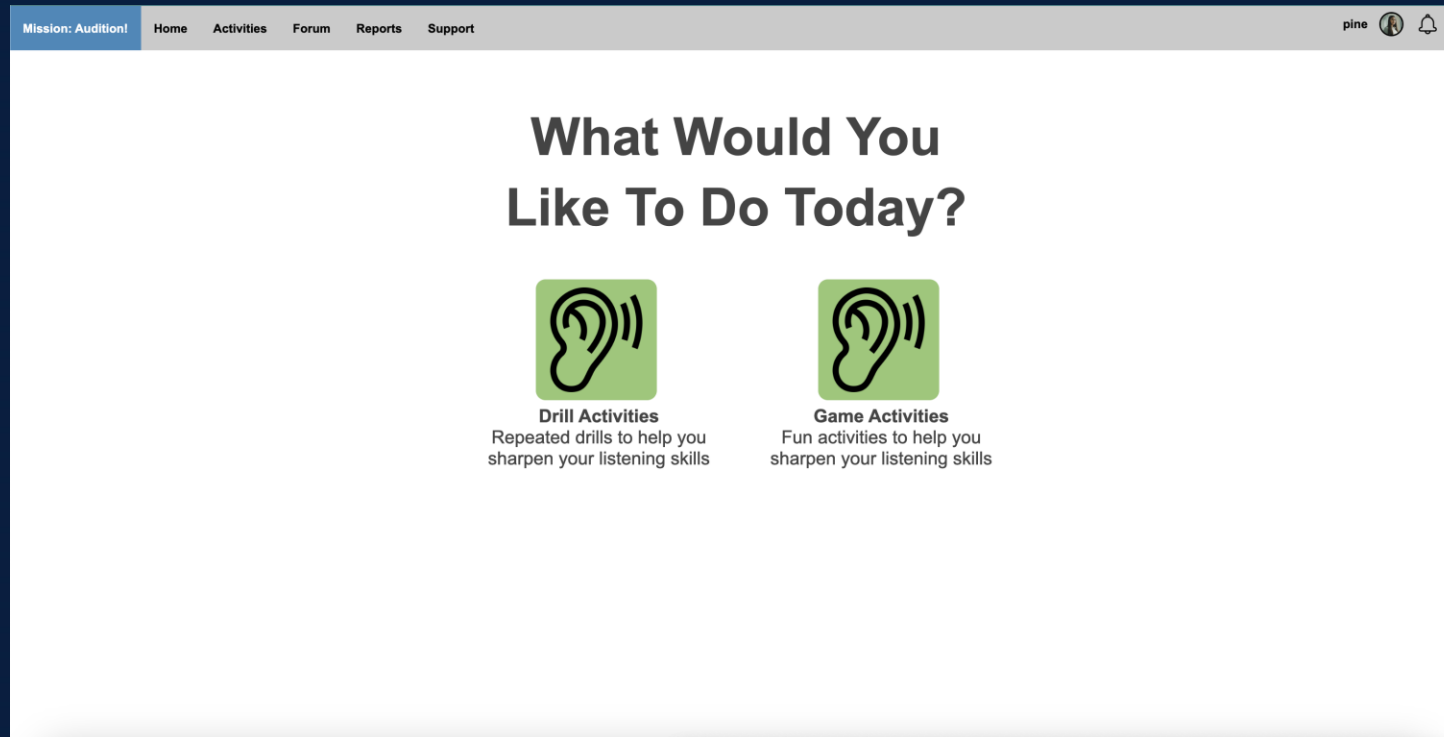
Before



After

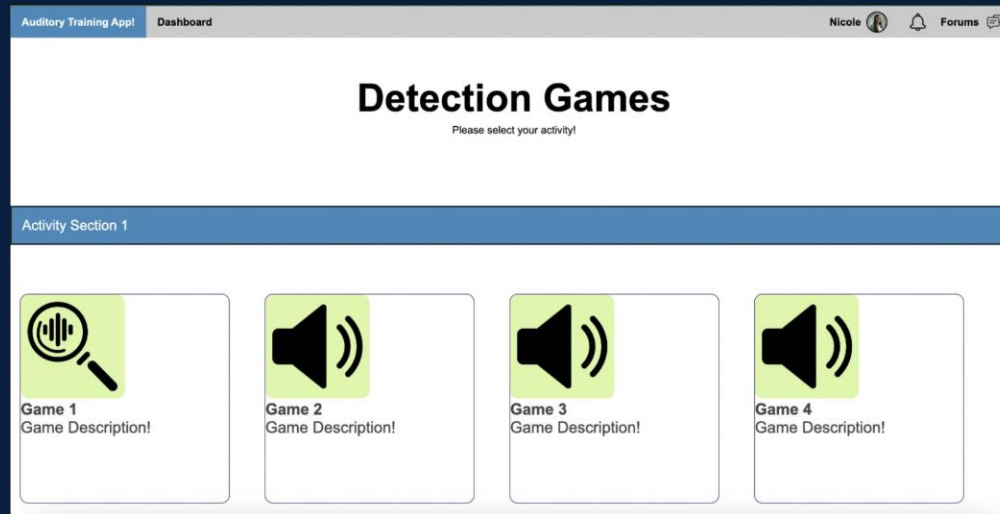
- Updated icons and card styles
- Update page layout
- Implemented Recent Activities

In Between Page



- Added In Between Page to allow users to choose between drill and game activities
- Layout updated for consistency

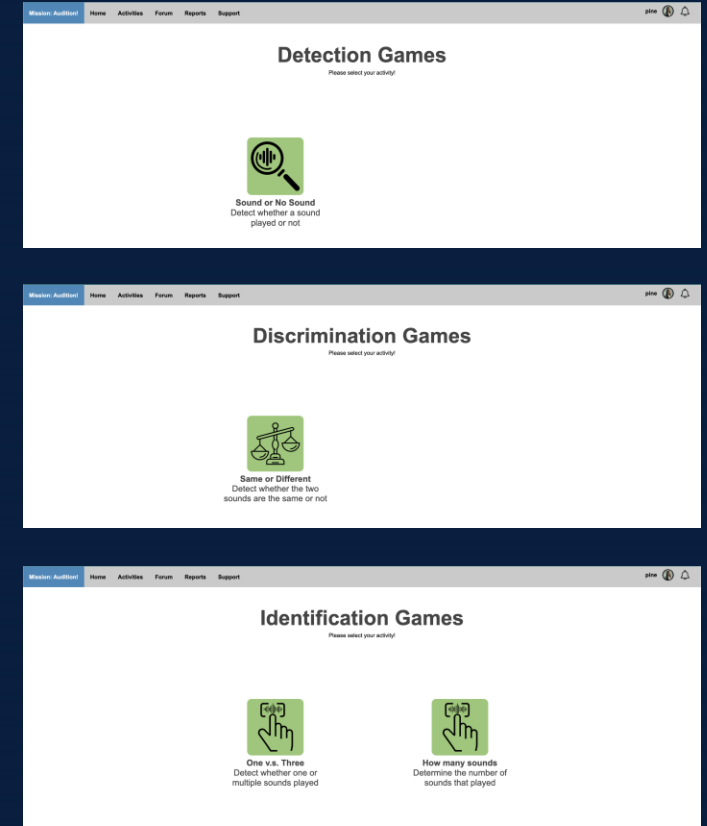
Game Pages



Before

- Icons updated
- Added descriptions
- Card style update
- Created individual pages for each activity type for increased organization

After ---->





Summary:

- ❑ The Auditory Training App gave us the opportunity to learn more about the framework and build upon existing features to help hearing loss patients. Working with the product owner allowed us to sharpen our product design and communication skills. Each member of the team was able to contribute their designs and solutions to the application.
- ❑ Contact:
 - Nicole Cruz – ncruz071@fiu.edu
 - Ashley Enalien -- Aenal001@fiu.edu
 - Rafael Mejia Galvan -- rmeji045@fiu.edu
 - Hubert Cabrera -- hcabr028@fiu.edu
 - Enrique Portela -- Eport049@fiu.edu
- ❑ Thank you for viewing! We look forward to seeing how the application continues to progress!