

## Team Ewok

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# MyConcordiald

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## Overview

MyConcordiald is a system that virtualizes the Concordia student ID card. It allows students to take pictures using their mobile devices, and send them to the web component of the system, which provides a user interface to assist with validating each student's picture request. In addition, it allows users to create events, and track who's attended.

## Goals

1. **Convenience:** Students will be able to comfortably take potential ID pictures using their phones, and although they will still have to follow the university guidelines for student ID pictures, they will be able to do so in the comfort of their homes, at any moment of the day.
2. **Easy management:** The user interface provided by MyConcordiald for managing the thousands of students' picture requests makes it easy to find any student registered in the Concordia system with a student request, and quickly approve or deny their request.

3. **Eliminate Birks lineups:** Every semester, at the beginning of the semester, there are lineups of students wanting to take pictures for their student ID's at Birks. Shifting the responsibility of taking pictures to students, the lineups will be eliminated, and the picture-taking will be much smoother.

## Mobile Application

The purpose of the mobile application is to facilitate student authentication on campus. The application allows students to take and send their profile picture to Concordia administration, in order for it to be used as a virtual student ID. The ID page of the application will contain information on the student, as well as a scannable barcode used for different authentication purposes. The application also contains a marshalling card page, as well as an events page, which will be used as a tracking tool for Concordia event administrators.

## Features

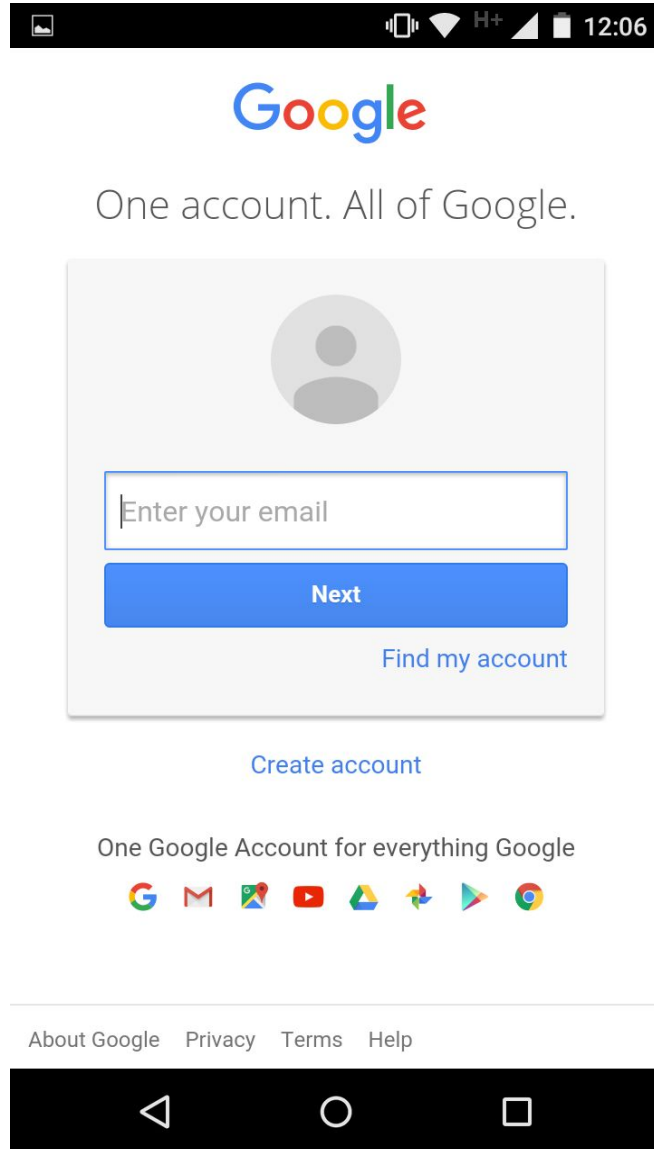
- **Authenticated Log in.** In order to be able to use the application, users have to sign through oAuth using their Google account. This can potentially be changed to Concordia's oAuth service later on.





Continue





The image shows a mobile screen with a black status bar at the top displaying icons for signal, Wi-Fi, H+, battery, and the time 12:06. The main content area has a white background. At the top is the Google logo. Below it is the text "One account. All of Google." followed by a light gray rounded rectangle containing a gray person icon, a text input field with the placeholder "Enter your email", a blue "Next" button, and a blue link "Find my account". Below this rectangle is a blue link "Create account". Further down is the text "One Google Account for everything Google" followed by a row of icons for Google, Gmail, Google Maps, YouTube, Google Drive, Google Photos, Google Play, and Google Chrome. At the bottom is a white link bar with "About Google", "Privacy", "Terms", and "Help". A black Android navigation bar is at the very bottom with back, home, and recents icons.

Google

One account. All of Google.

Enter your email

Next

[Find my account](#)

[Create account](#)

One Google Account for everything Google

[G](#) [M](#) [G](#) [Y](#) [D](#) [P](#) [C](#)

[About Google](#) [Privacy](#) [Terms](#) [Help](#)



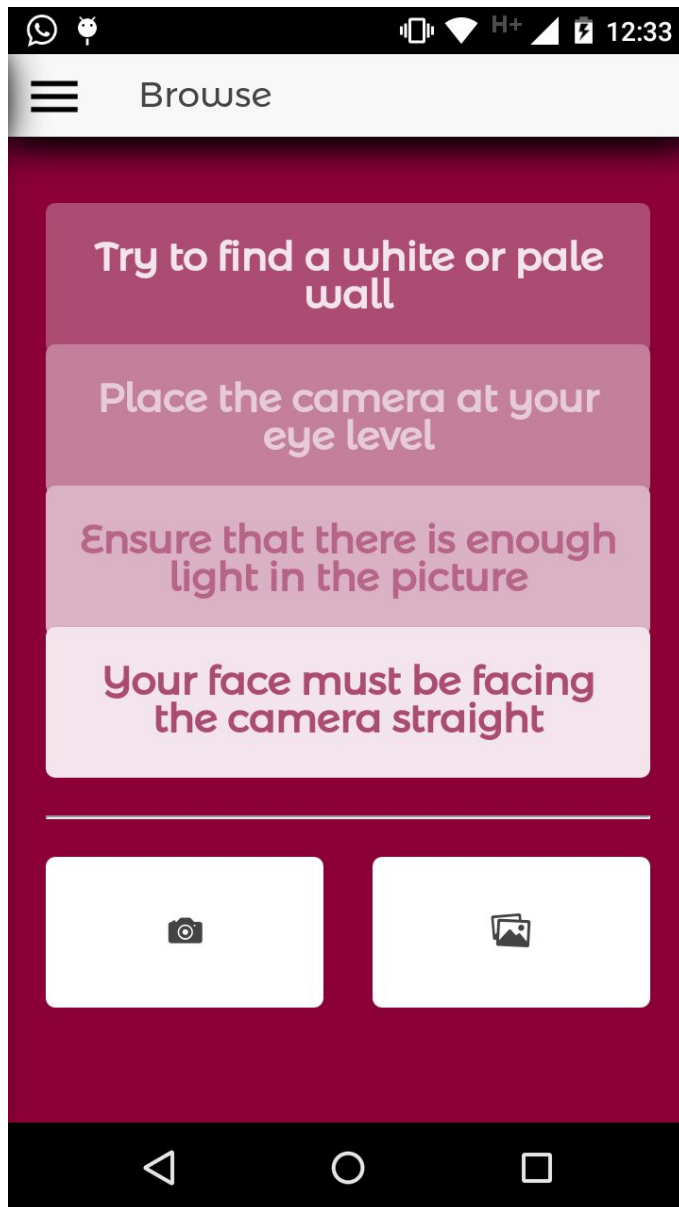
Do you want to grant this application an access to your profile?

Yes

No



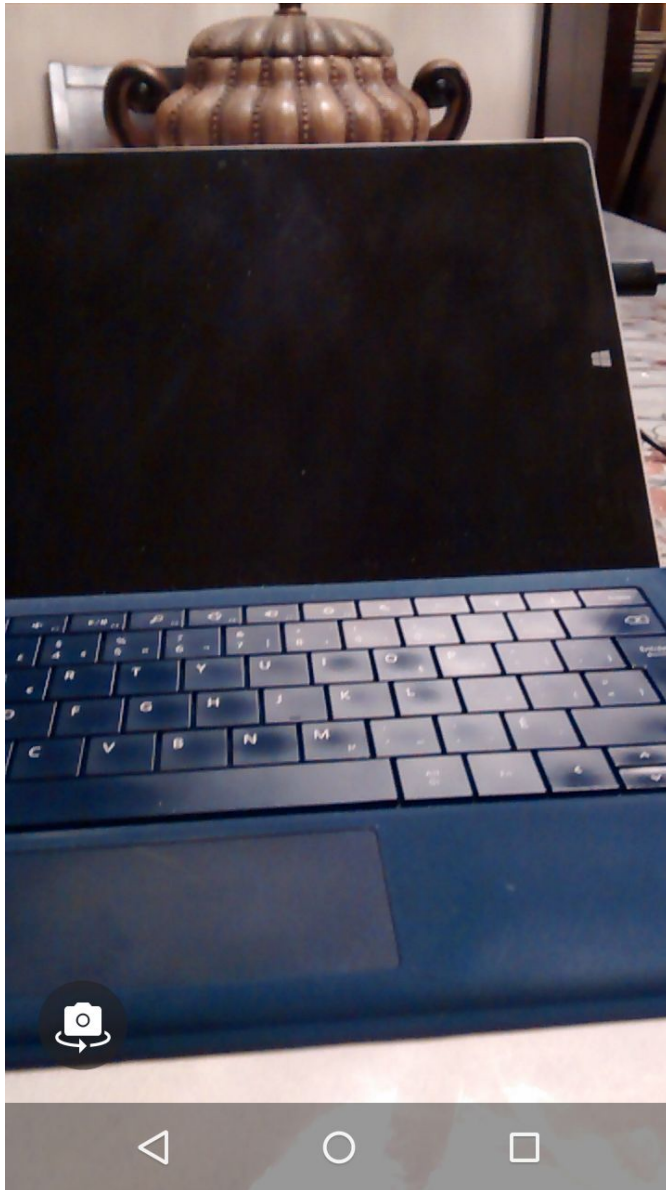
- **Picture Taking feature**, which allows students to take, retake, load, crop and send their pictures to Concordia administrators for the review process.



The Update Picture page, which will give the student instructions on how to take the picture to facilitate the review process.

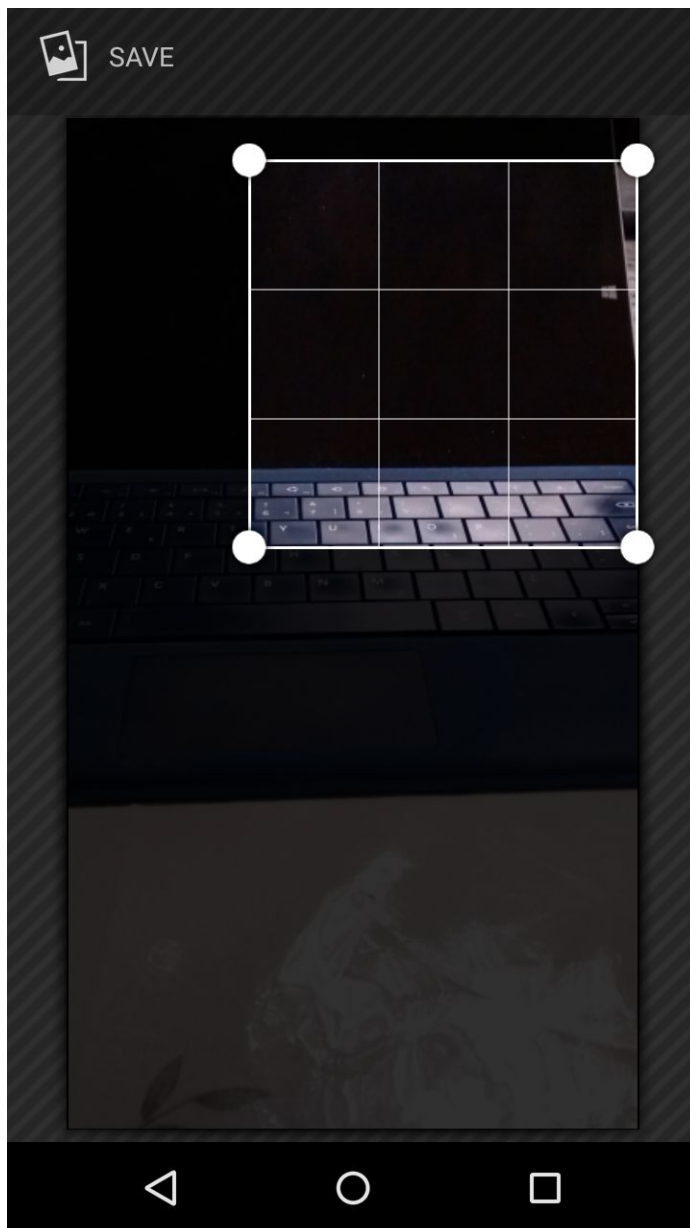
The 2 buttons are for, respectively, taking a picture, and loading an existing one from the phone.

Student without a picture associated with their profile will be redirected here when opening the application.



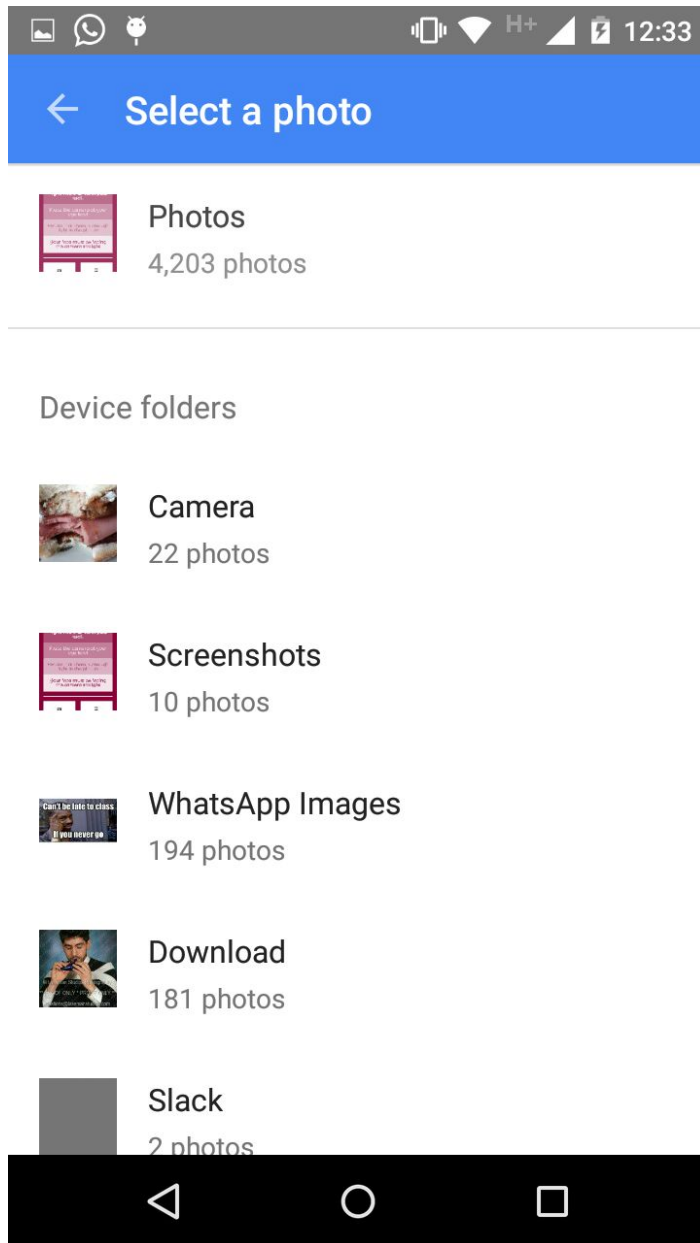
When clicking on the camera button, the phone's camera will be opened, allowing the user to take the picture..





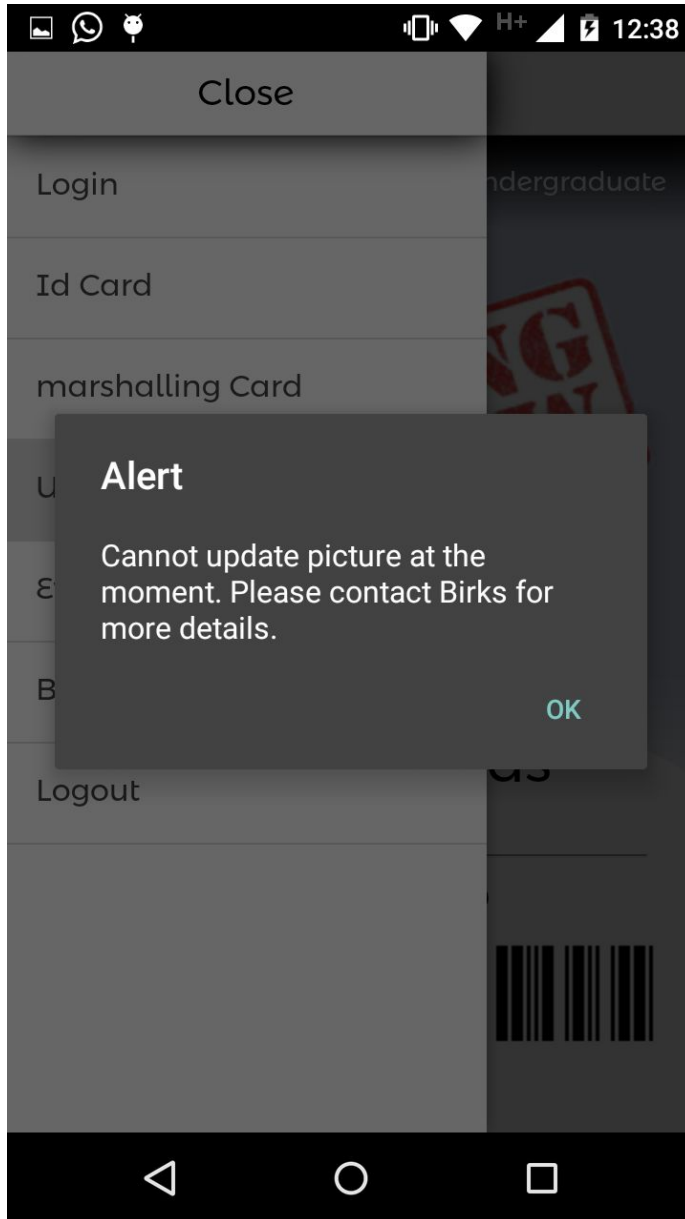
Once the picture has been taken, the user will be taken to the editing screen, where he or she will be able to crop the picture as desired.

When the user will click on save, the picture will be sent to the database waiting to be processed.



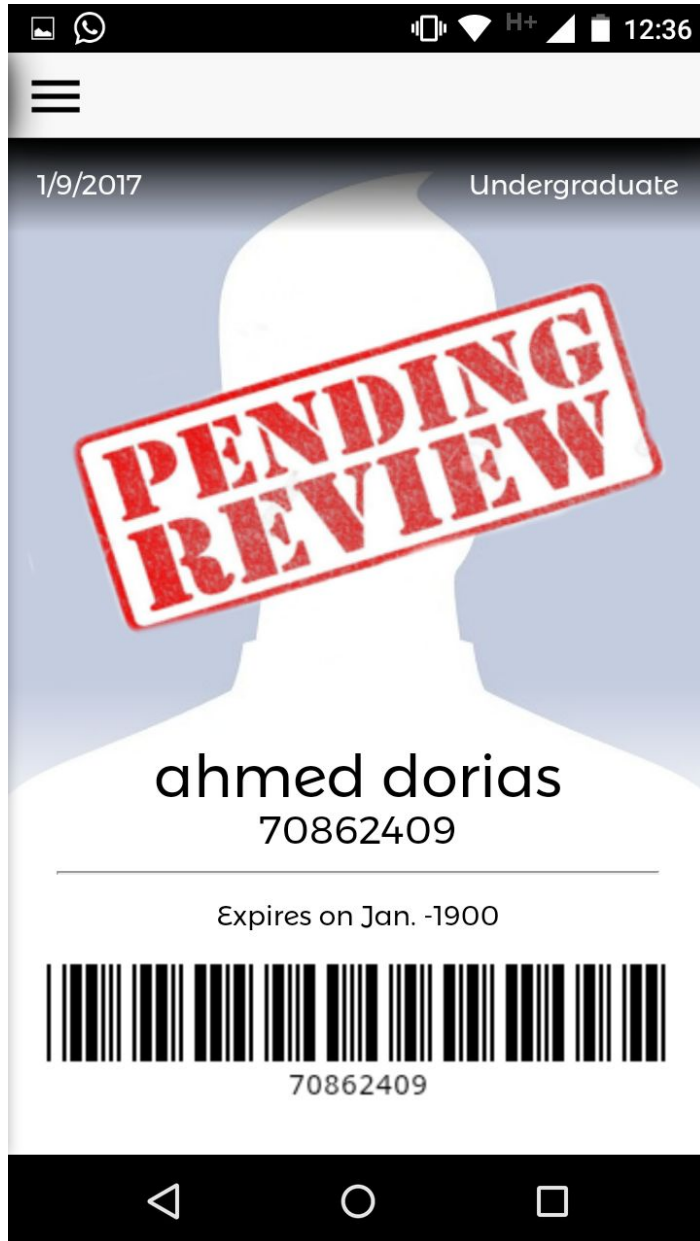
Similarly, the same can be done by loading a picture from the user's library. Clicking on the library button will open the student's photo library and allow him or her to choose and crop an existing photo to send.

- **Restriction on the Update Picture.** There is a restriction put in place to prevent students to send more than one picture while one is pending review. The picture taking functionality is also restricted to certain period of the year.



If the student is not allowed to access the update picture page, an alert will pop up informing the user, and preventing him or her from accessing the page.

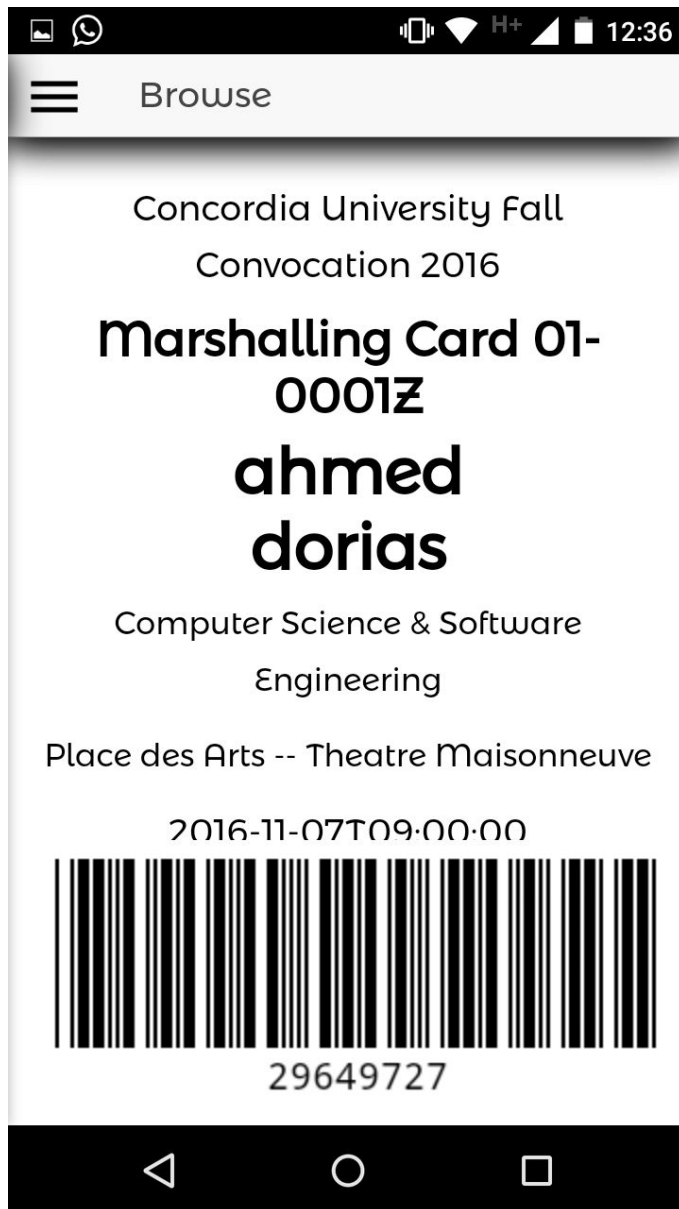
- **Student ID page**, which is where the ID will be displayed. It contains the same information that is available on the physical copy, such as the name, student ID number expiry date, as well as a scannable barcode..



When the picture has been accepted by the administrators, it will be displayed on the id page, indicating that it is valid.

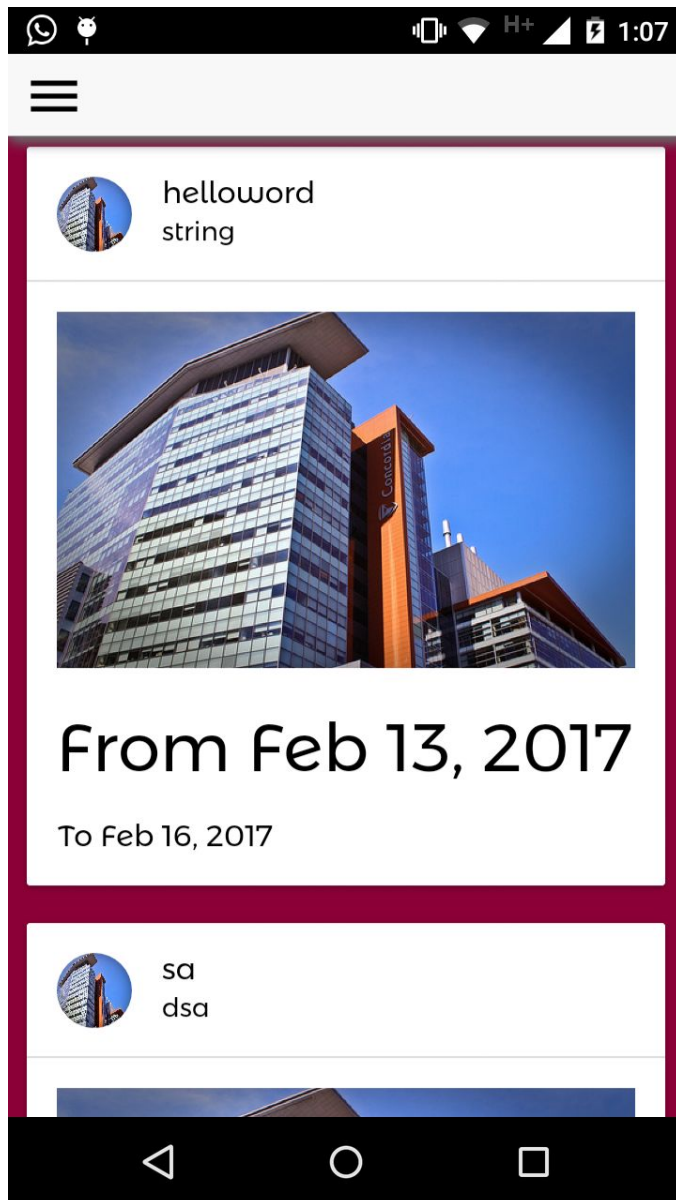
If the picture has yet to be validated, a pending review picture will be displayed in its stead.

- **Marshalling card page.** Upon student's graduation, they are issued a marshalling card which is available here. It contains the student's marshalling information, as well as a scannable barcode, which can determine if the student has paid their fees before graduating.



This page follows the structure of the physical marshalling card and contains the exact same information.

- **Events page**, contains a list of all event that the user is registered for or a moderator of. The details of the event can be accessed by clicking on the desired event.

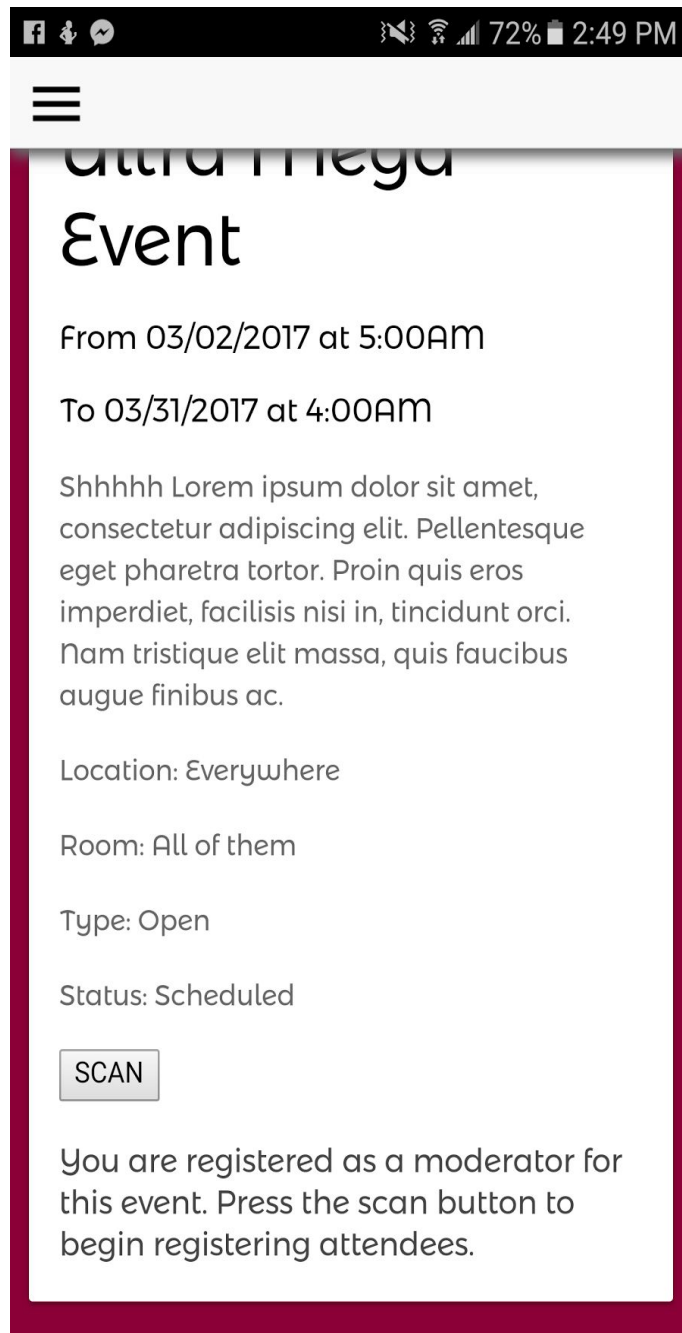


All events will have a name and location displayed at the top. A picture, which could be the student organization's logo, is displayed below. Lastly the start and end time are also displayed.



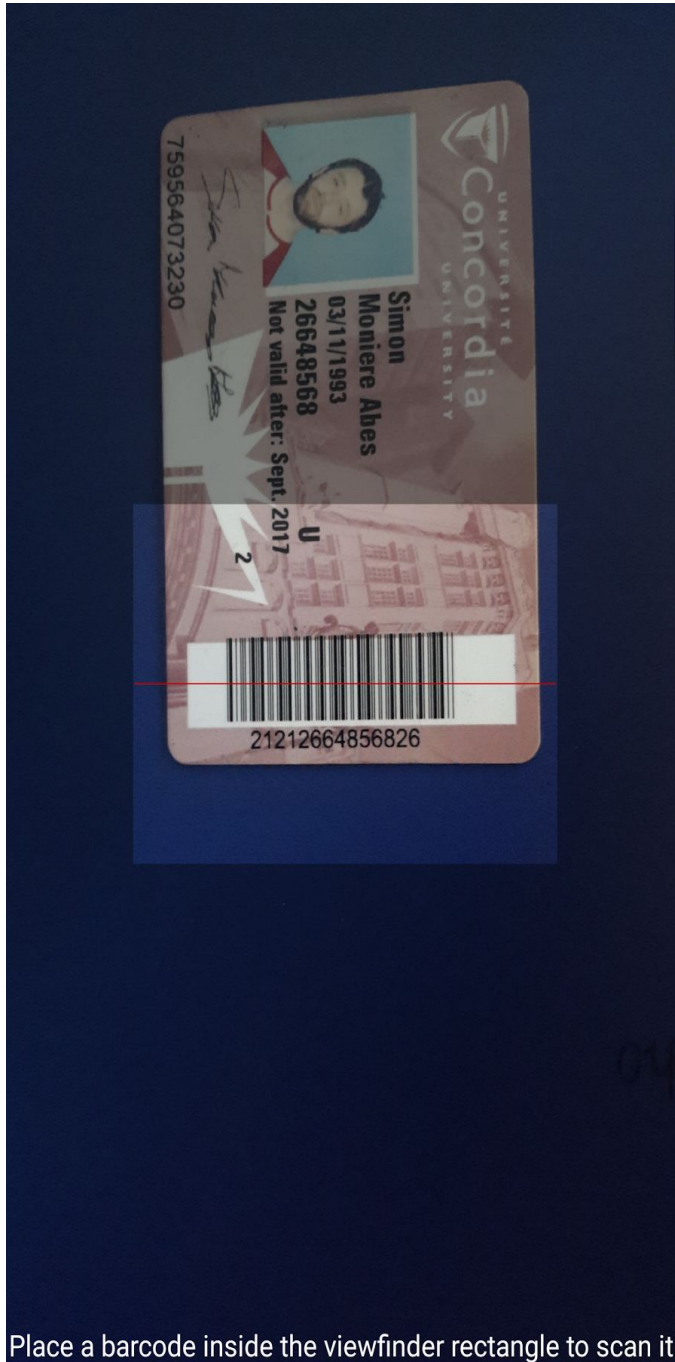
When clicking on the desired event, the user will be taken to a page that will contain all the information related to the event, such as a description.

**Scanning feature:** If the user is a registered moderator for an event, that user will be able to scan users coming to the event, whether to make sure the user is registered, or for keeping a record

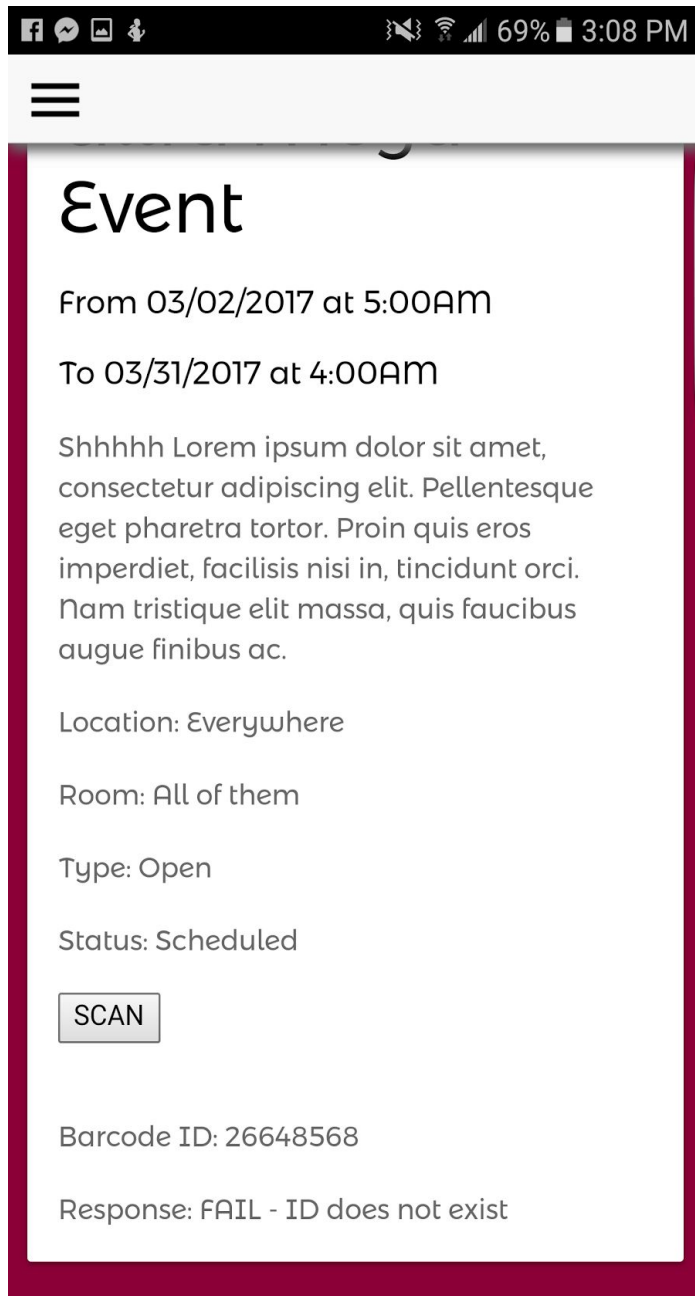


When clicking on the event, the moderator will be redirected to a page that contains the event details, similarly to a regular student, with the main difference being the scan button that will be available





Once the scan button has been clicked, the scanner will be opened. The mod will need to place the id in the box, centered with the red line. Once the scan is successful, a beeping sound will be heard, and the user will be redirected to the event page.



The image shows a mobile application interface for an event. At the top is a black status bar with icons for social media, a camera, and a microphone, along with signal strength, 69% battery, and the time 3:08 PM. Below this is a white header with a hamburger menu icon. The main content area has a white background with a dark red border. It features a large 'Event' title, followed by the event dates and times. A paragraph of Lorem Ipsum text is present. Below that are fields for Location, Room, Type, and Status. A 'SCAN' button is shown, followed by the Barcode ID and the response message.

Event

From 03/02/2017 at 5:00AM

To 03/31/2017 at 4:00AM

Shhhhh Lorem ipsum dolor sit amet, consectetur adipiscing elit. Pellentesque eget pharetra tortor. Proin quis eros imperdiet, facilisis nisi in, tincidunt orci. Nam tristique elit massa, quis faucibus augue finibus ac.

Location: Everywhere

Room: All of them

Type: Open

Status: Scheduled

SCAN

Barcode ID: 26648568

Response: FAIL - ID does not exist

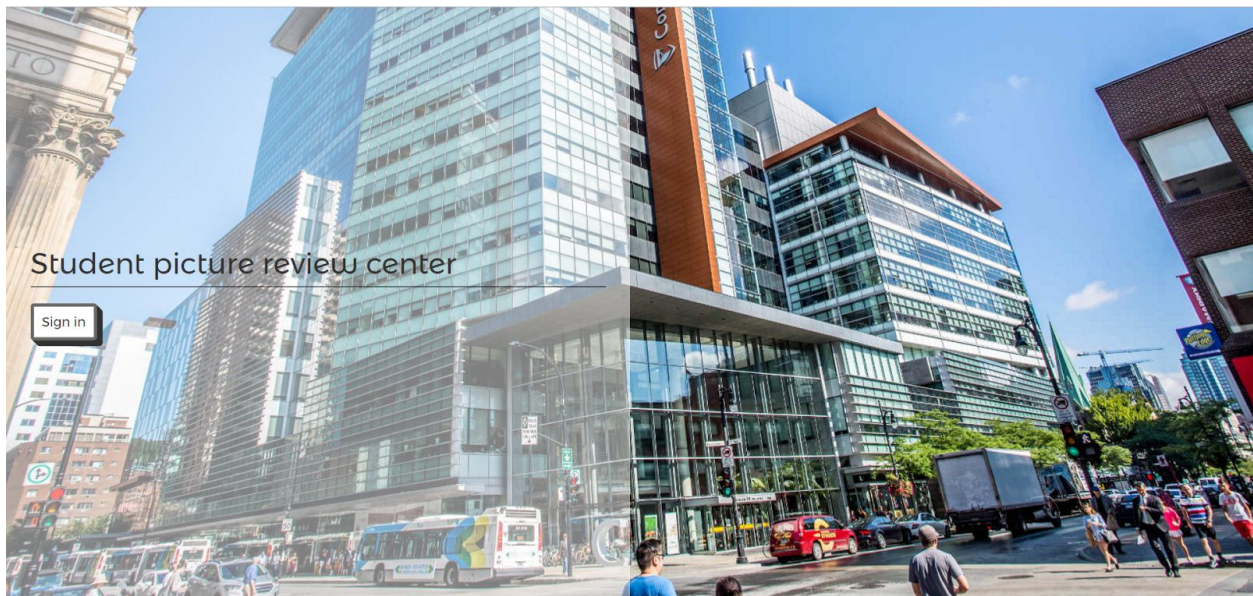
Once the barcode has been scanned, the data will be sent to the server and the mod will know whether the id was valid or not.

## Web Application

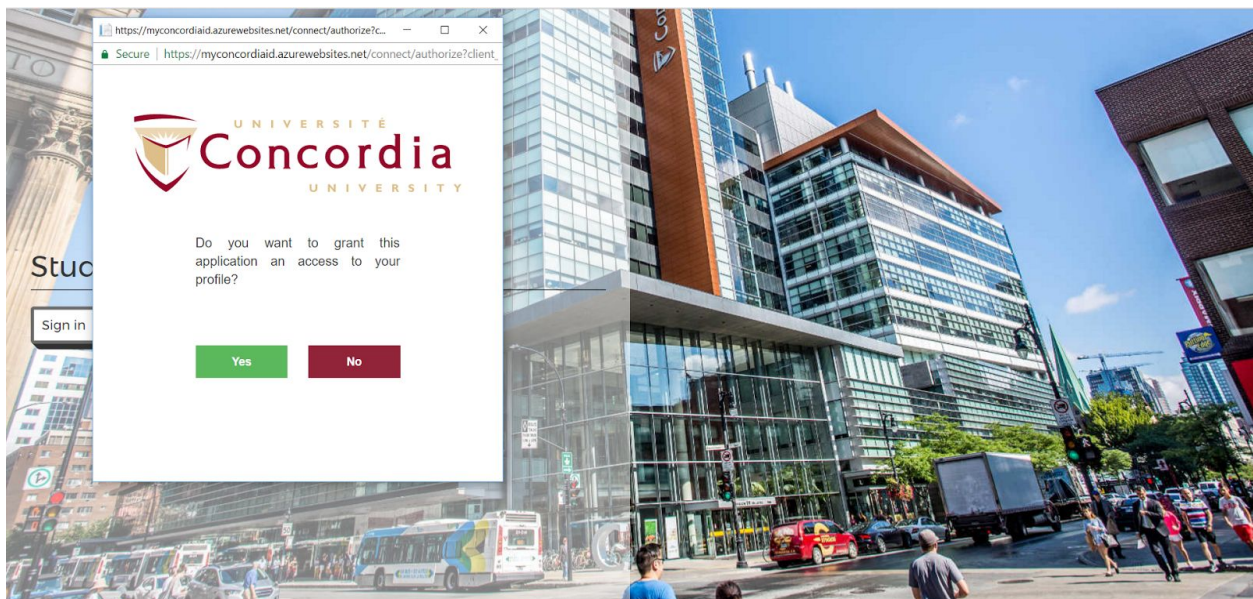
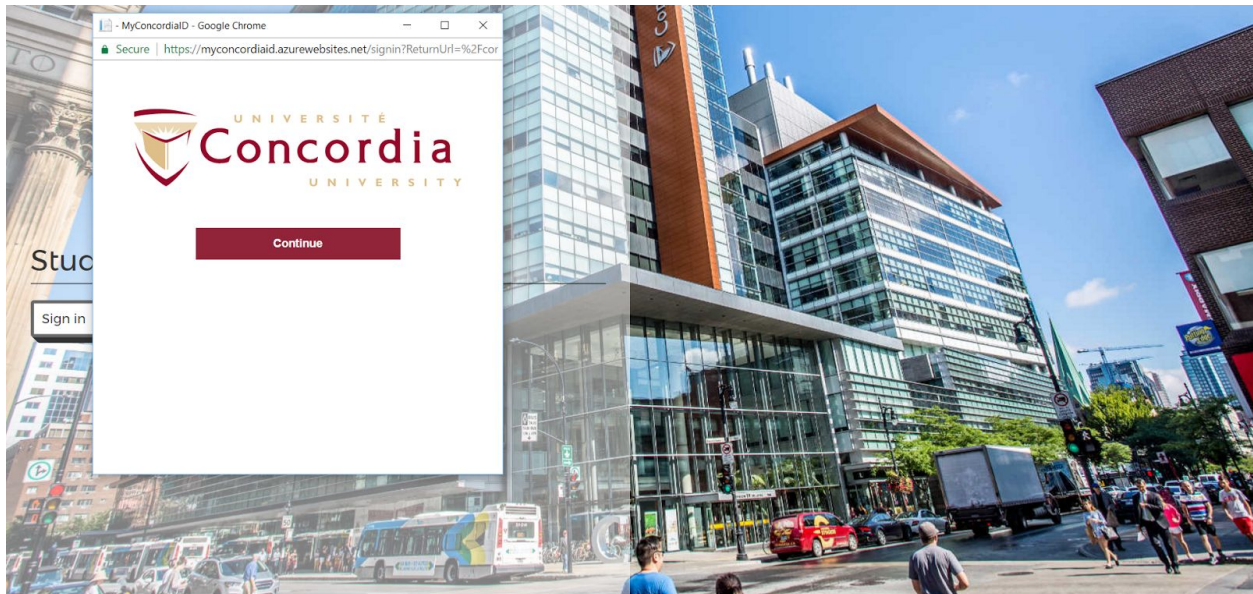
The purpose of the web application is to make managing student ID picture requests easy. It allows users with administrative privileges to set update periods where students will be allowed to send picture requests so as to not flood the servers. It also allows authenticated users to approve or deny picture requests. Moreover, the web component will allow users to create events whose purpose is to serve as an attendee tracking tool.

## Features

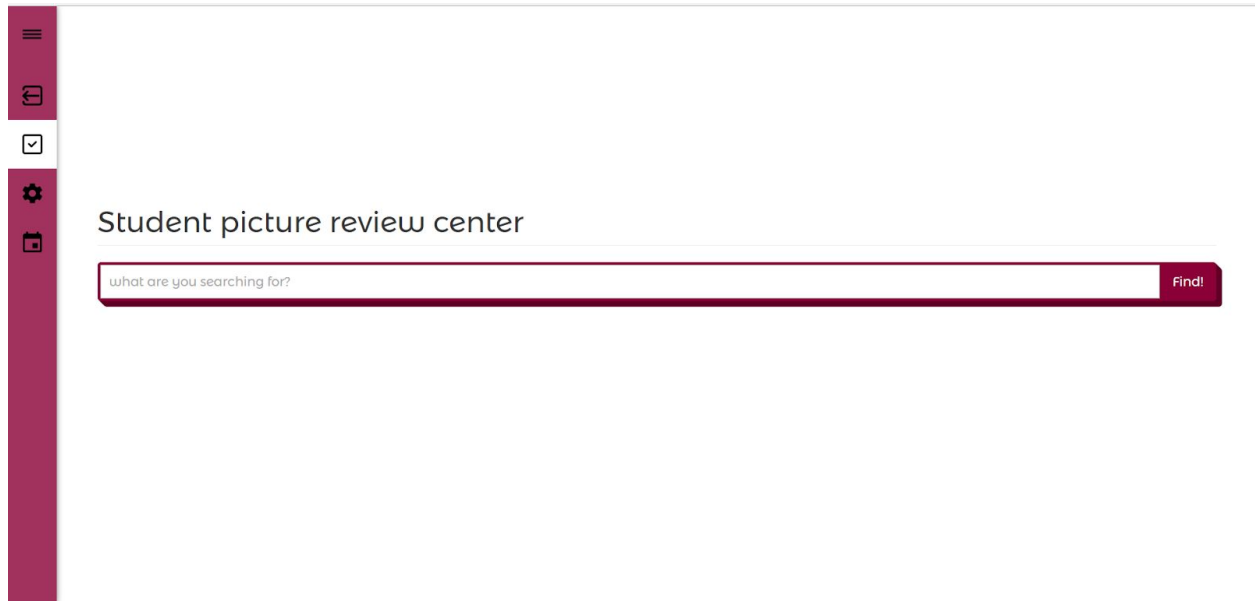
- **Authenticated Log In.** Users have to sign in using OAuth, to be able to use the features of the application





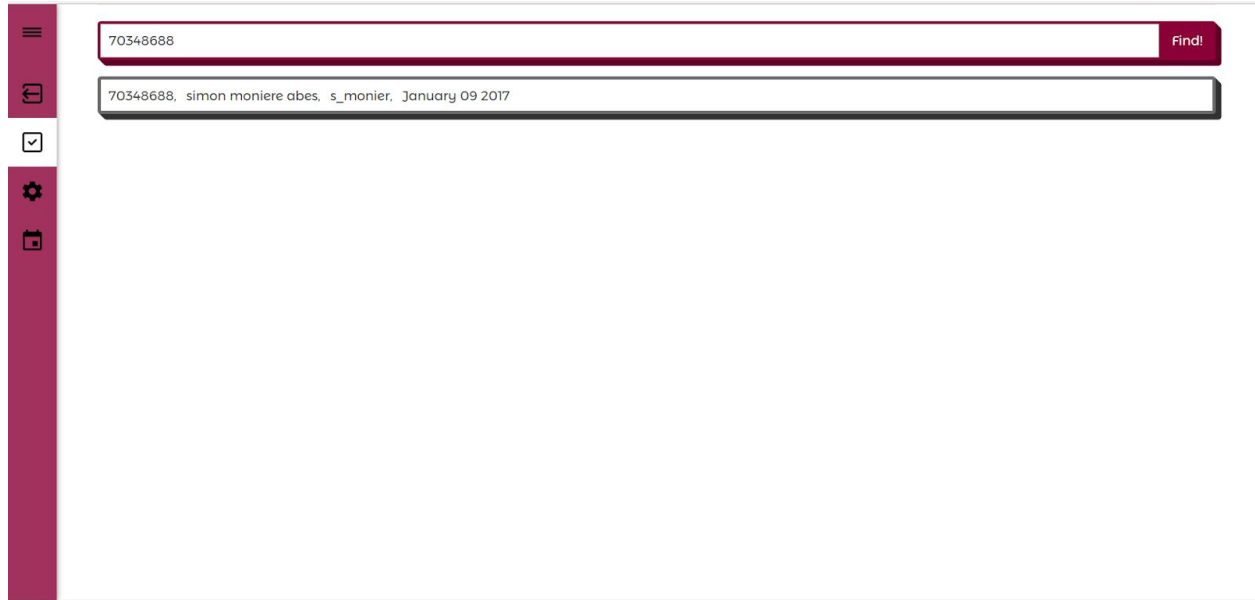


Once the user has been authenticated, he or she will be redirected to the main page of the application.



The screenshot displays a web application interface. On the left, a vertical maroon sidebar contains four icons: a hamburger menu, a document with an arrow, a checkmark, and a gear. The main content area has a white background. At the top of this area, the text 'Student picture review center' is displayed. Below this text is a search bar with the placeholder text 'what are you searching for?' and a maroon button labeled 'Find!' on the right side.

- **Search Feature:** The review allows user to search the student list in multiple ways.
  - *By Id:*



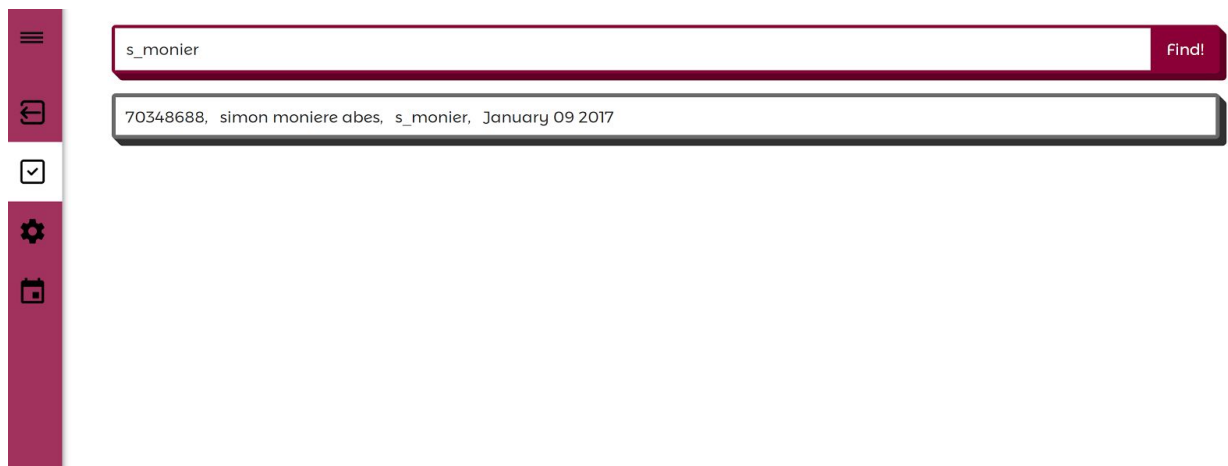
The screenshot displays a web application interface for searching student records. On the left, a vertical sidebar contains several icons: a hamburger menu, a document with a magnifying glass, a checkmark, a gear, and a calendar. The main content area features a search bar at the top with the text '70348688' entered and a 'Find!' button to its right. Below the search bar, a dropdown menu is open, showing the search results: '70348688, simon moniere abes, s\_monier, January 09 2017'.

- *By name:*




A vertical sidebar on the left contains five icons: a hamburger menu, a document with an arrow, a checkmark, a gear, and a calendar. The main search area features a text input field with the value 'simon' and a 'Find!' button. Below the input field, a search result is displayed in a box: '70348688, simon moniere abes, s\_monier, January 09 2017'.

- *By netname:*



A vertical sidebar on the left contains five icons: a hamburger menu, a document with an arrow, a checkmark, a gear, and a calendar. The main search area features a text input field with the value 's\_monier' and a 'Find!' button. Below the input field, a search result is displayed in a box: '70348688, simon moniere abes, s\_monier, January 09 2017'.

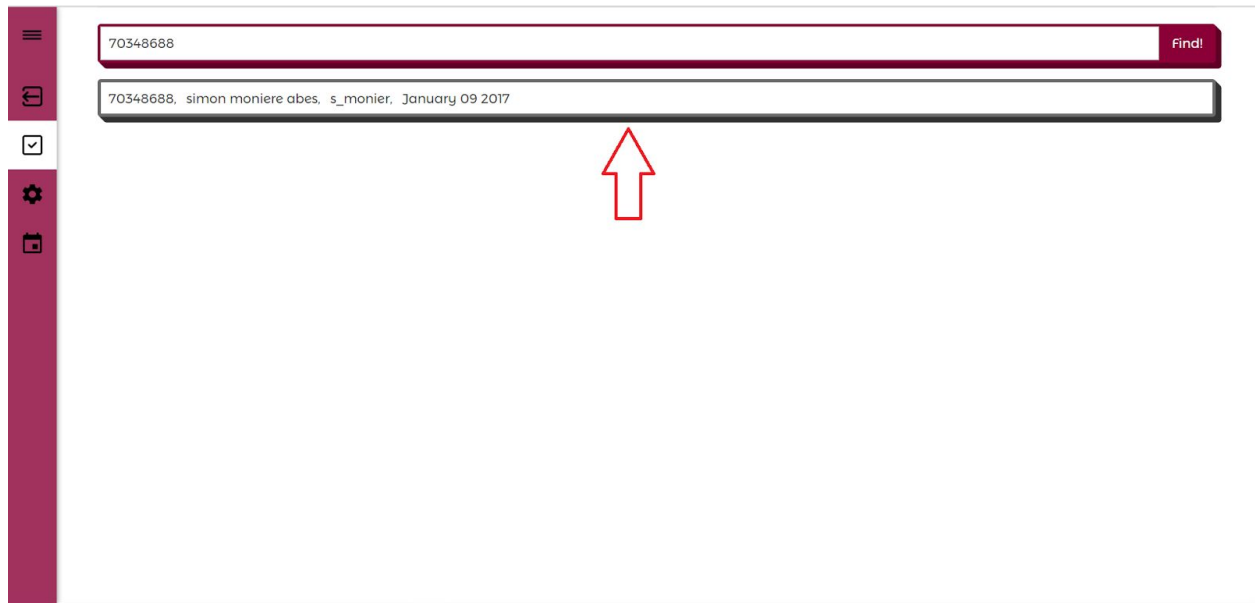
- *By partial data:*



ni	Find!
70348688, simon moniere abes, s_monier, January 09 2017	
61923560, michal wozniak, m_woznia, January 08 2017	



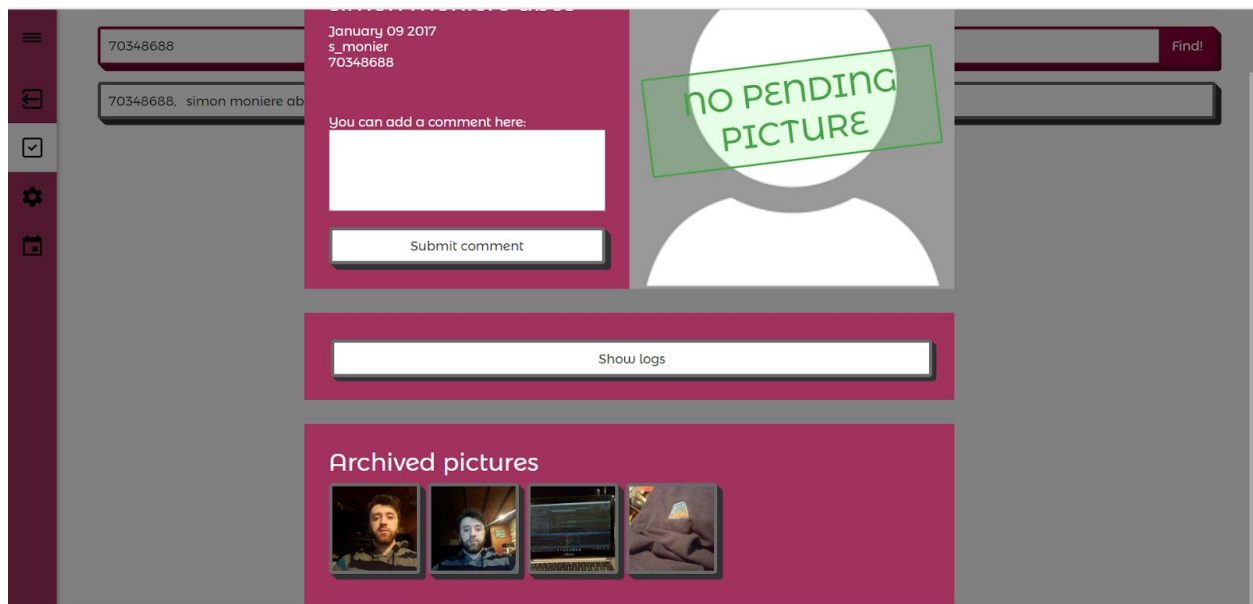
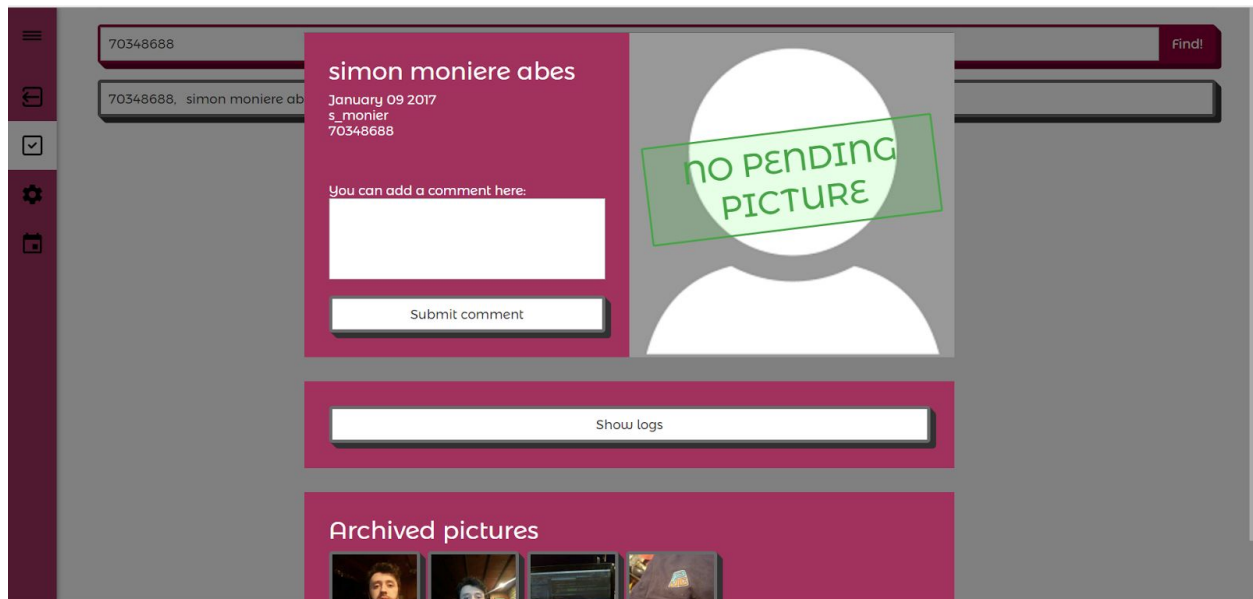
- **Student Information:** Additional information can be obtained for every student by clicking on their name in the search list



The screenshot shows a web application interface for searching students. On the left is a vertical sidebar with icons for a menu, a folder, a checkmark, a gear, and a calendar. The main area features a search bar at the top with the text "70348688" and a "Find!" button. Below the search bar is a list of search results. The first result is highlighted and contains the text "70348688, simon moniere abes, s\_monier, January 09 2017". A red arrow points directly to this search result.

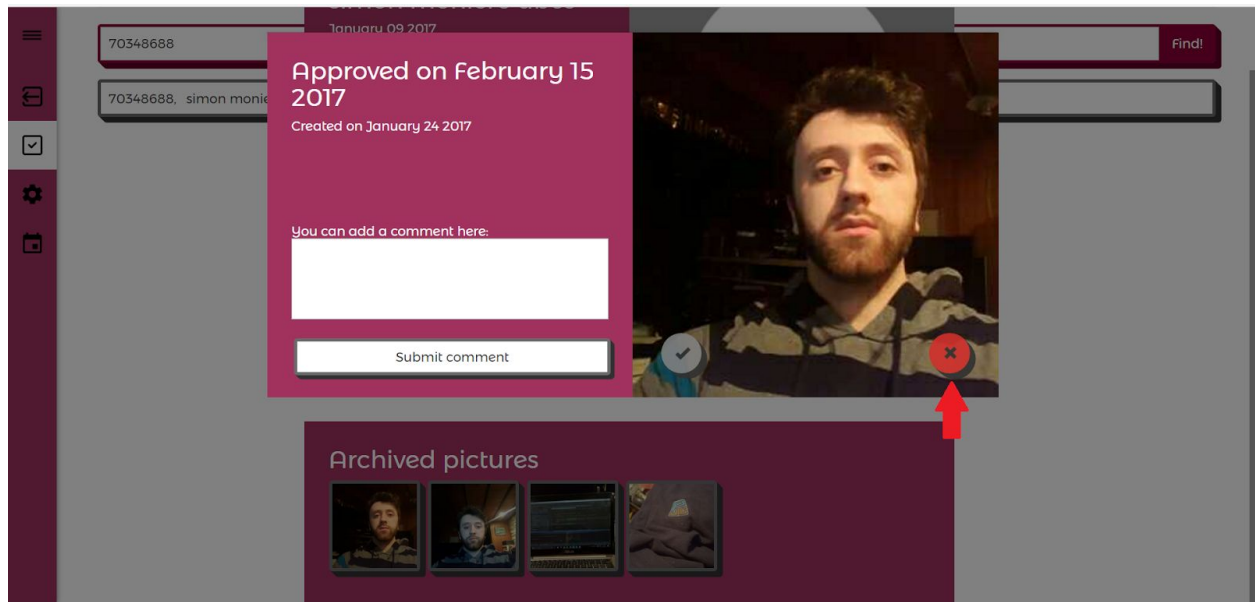
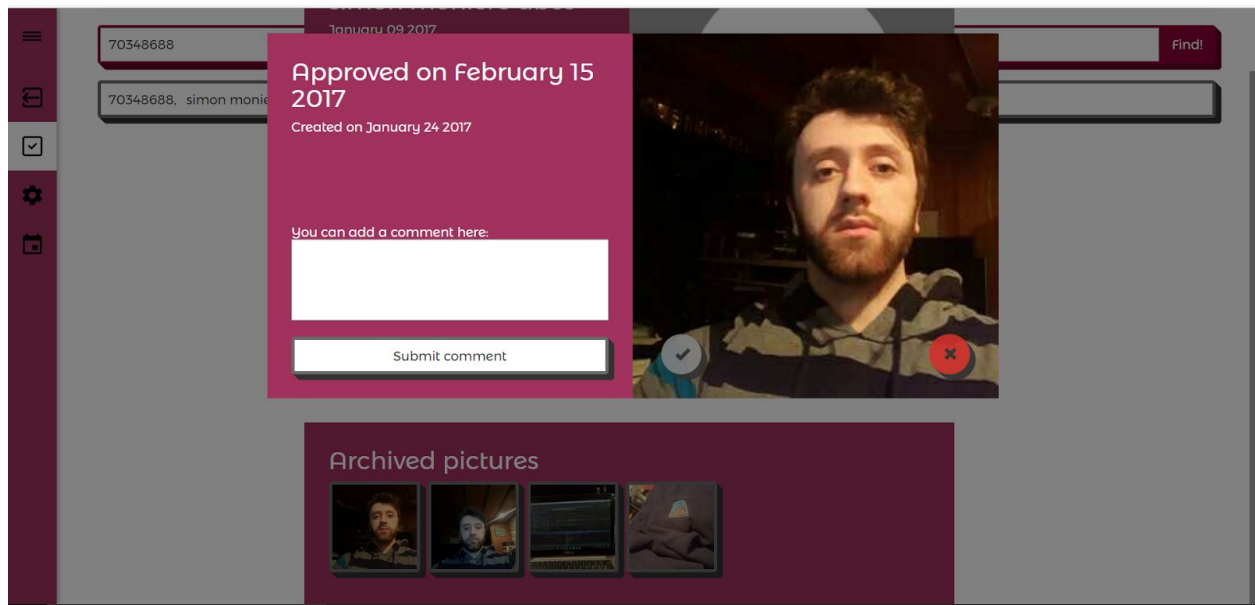
Search Bar	Find!
70348688	Find!
70348688, simon moniere abes, s_monier, January 09 2017	

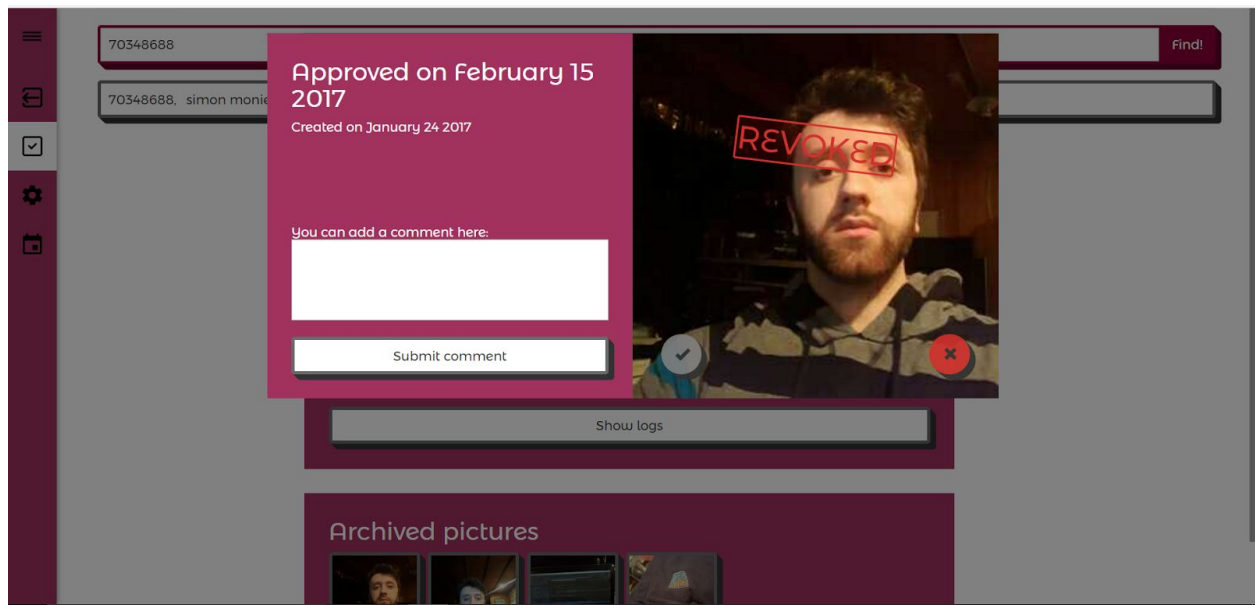
When a student has been selected, a popup will appear containing info about the student, as well as a list of all picture that student has taken and comments that were made.



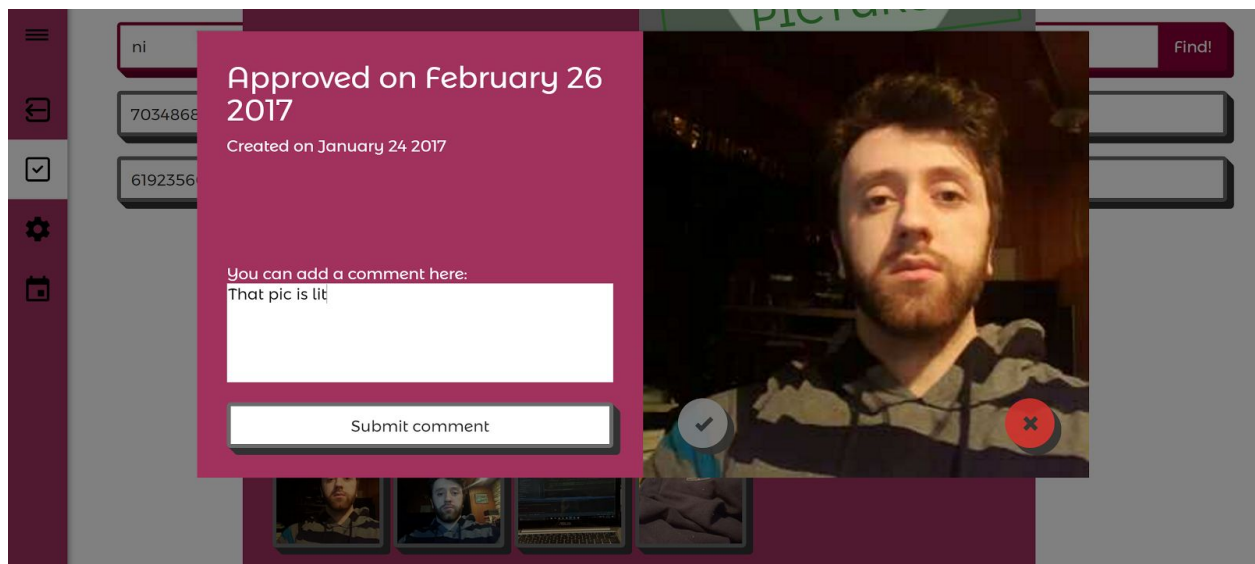
- Deny an already approved picture.



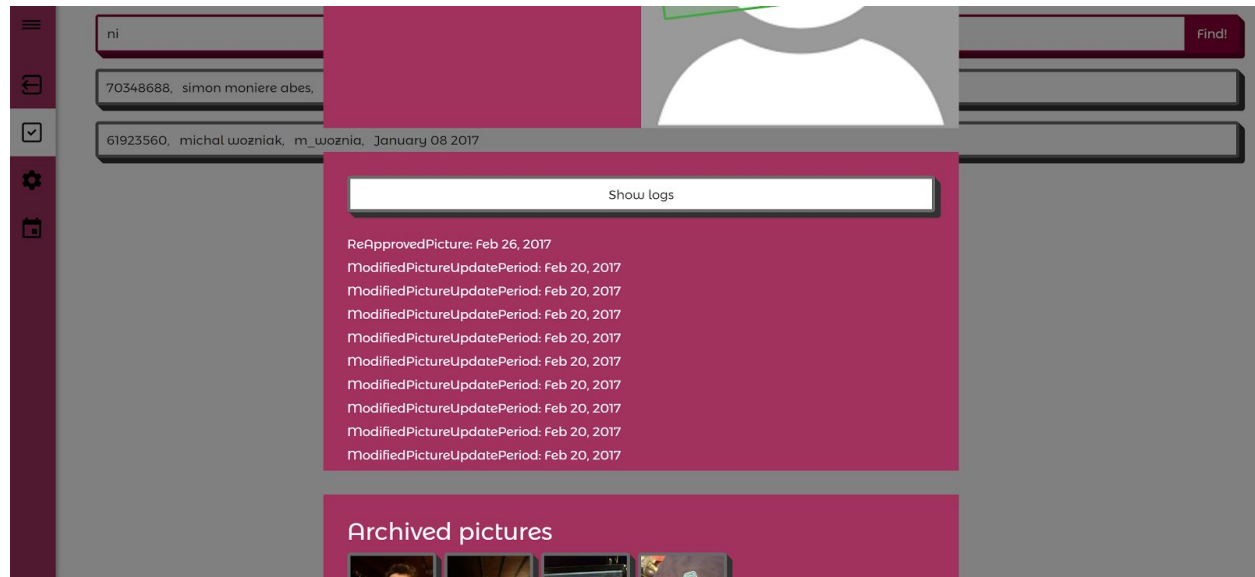




**Comment Feature:** When approving pictures, the administrator can add comments to the picture, which could be the reason why the picture was rejected.

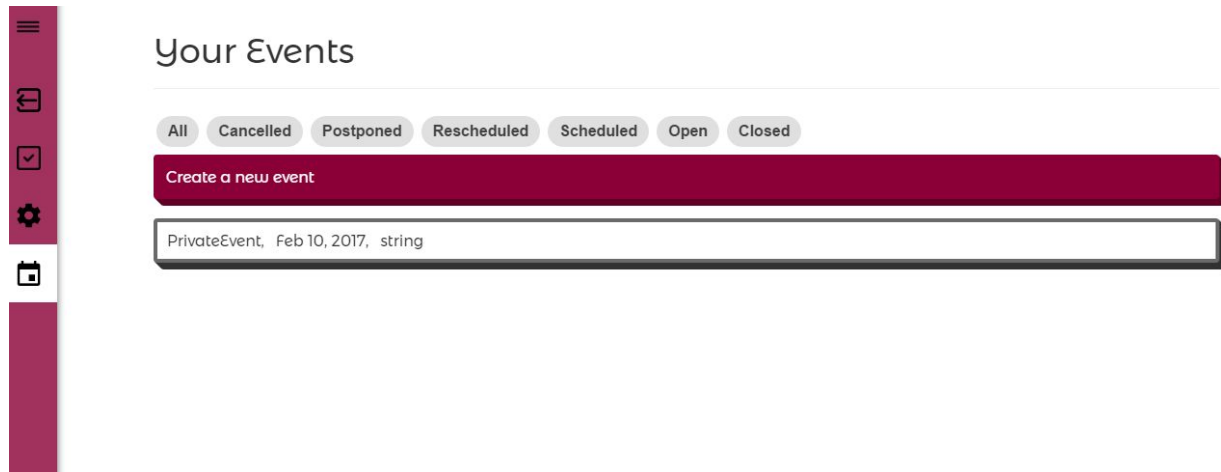


**Picture Event Log feature:** Every picture will have an associated event log showing all approval related activity, such as when it was approved. This feature is accessed from the show log button of the picture.

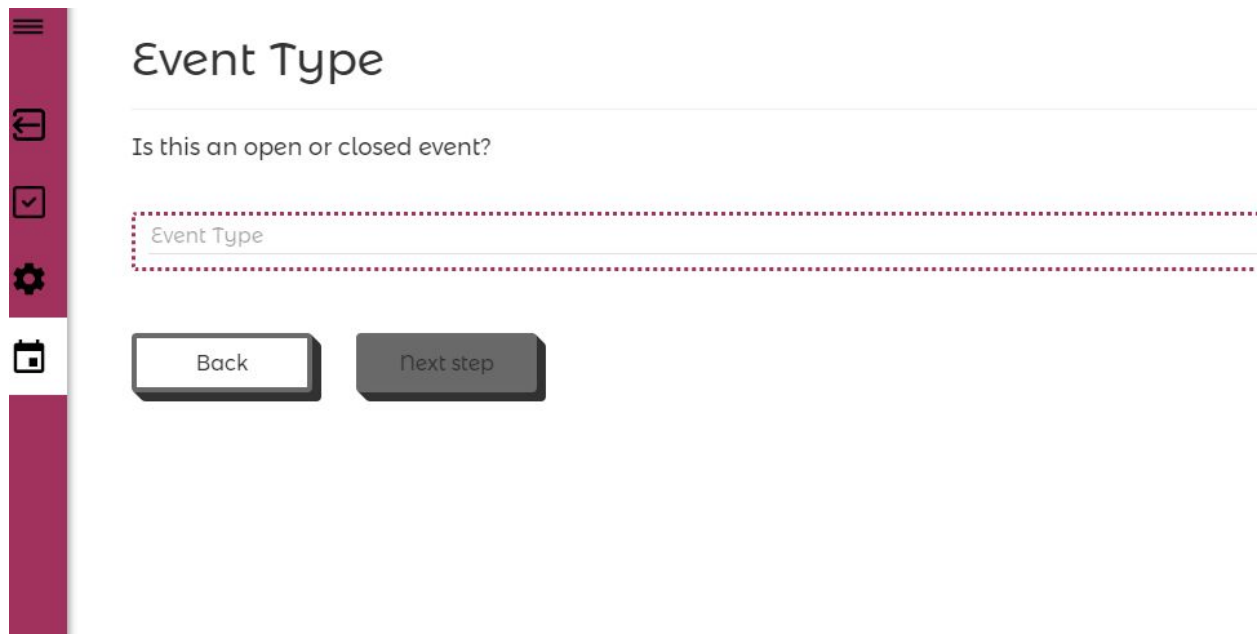


**Event Feature:** The event features allows the school and student association to create event in which students can enroll for. This is a clear and concise way for the organizer to keep track of who is coming or came to the event.

To create an event head to the events page and click “create a new event”.



The following screens prompt you to enter event information for title, description, start date end date ect.



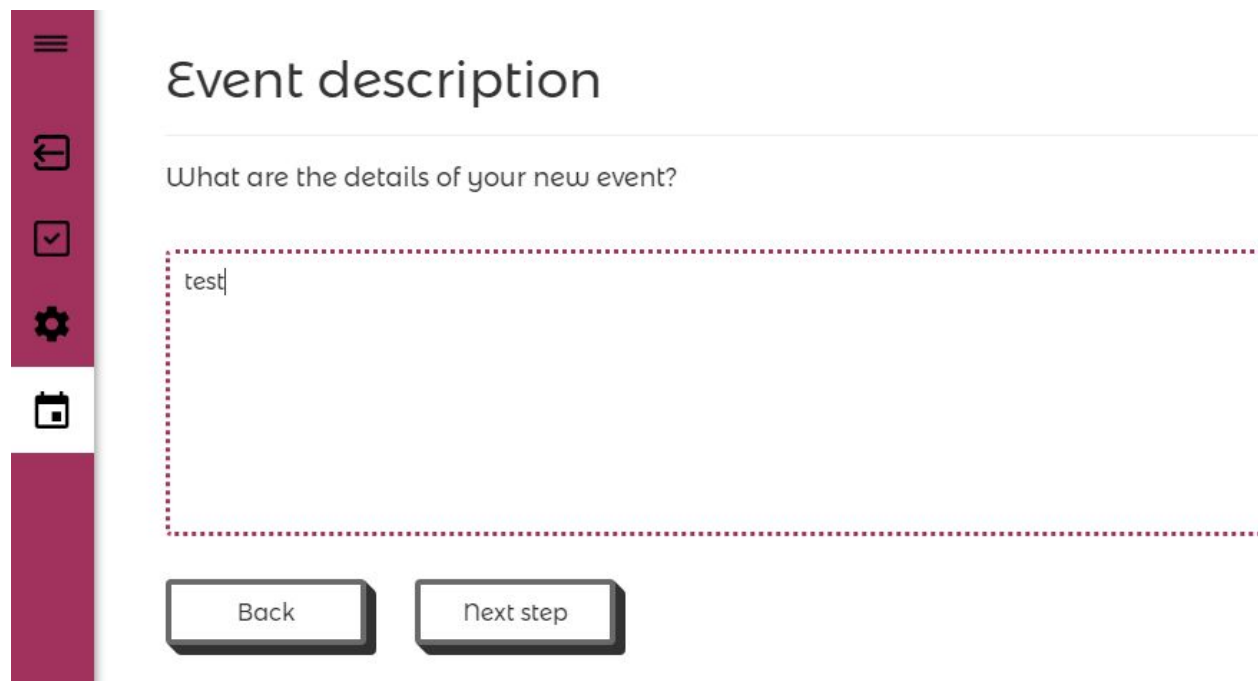
**Event Type**

Is this an open or closed event?

Event Type

Back Next step

This form is titled "Event Type". It contains a question "Is this an open or closed event?". Below the question is a text input field with the placeholder text "Event Type". At the bottom of the form are two buttons: "Back" and "Next step".



**Event description**

What are the details of your new event?

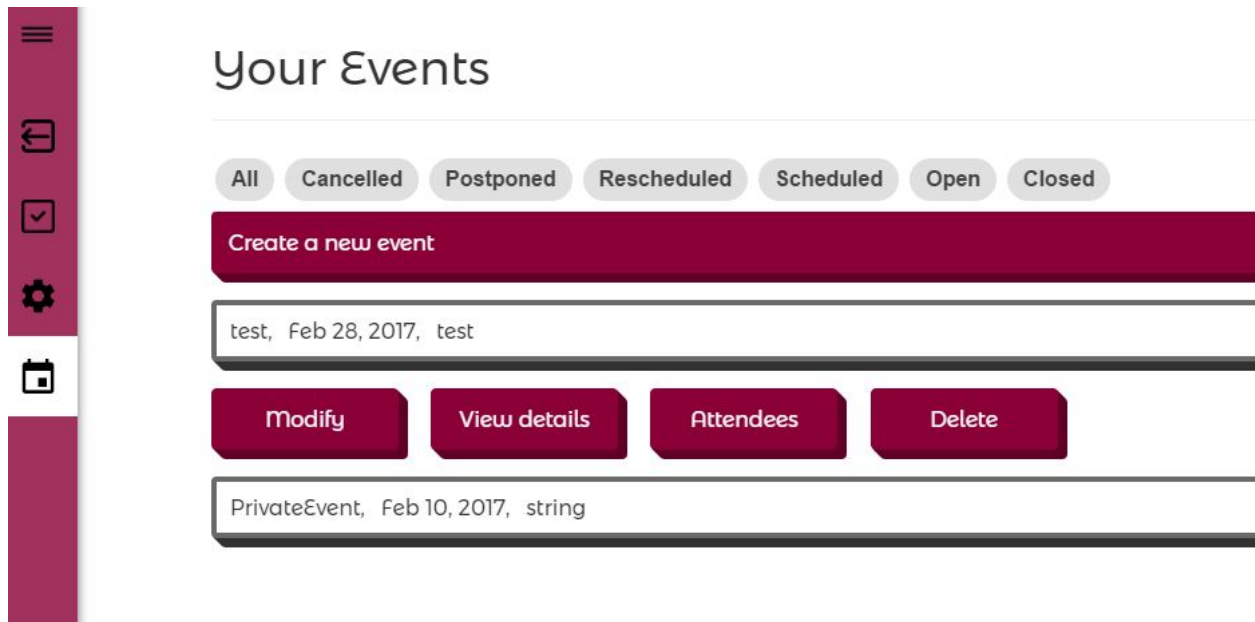
test

Back Next step

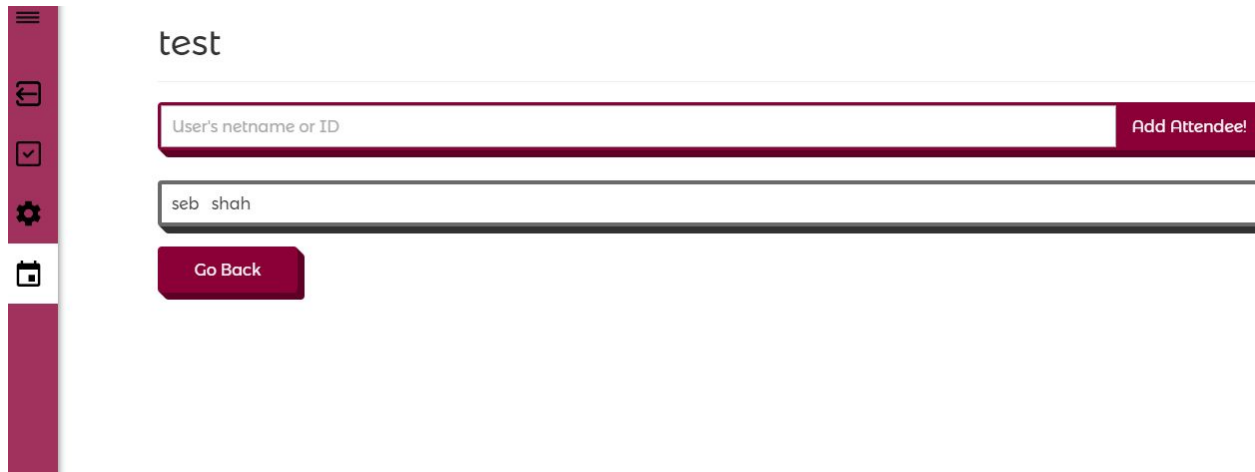
This form is titled "Event description". It contains a question "What are the details of your new event?". Below the question is a large text input field with the placeholder text "test". At the bottom of the form are two buttons: "Back" and "Next step".



Once the event is created you can modify, view details, manage attendees or delete the event.




Adding attendees is one important feature where the creator can manage which mobile users are attending and which have scanning privileges. Clicking on "attendees" button brings up a screen to manage attendees of the event.

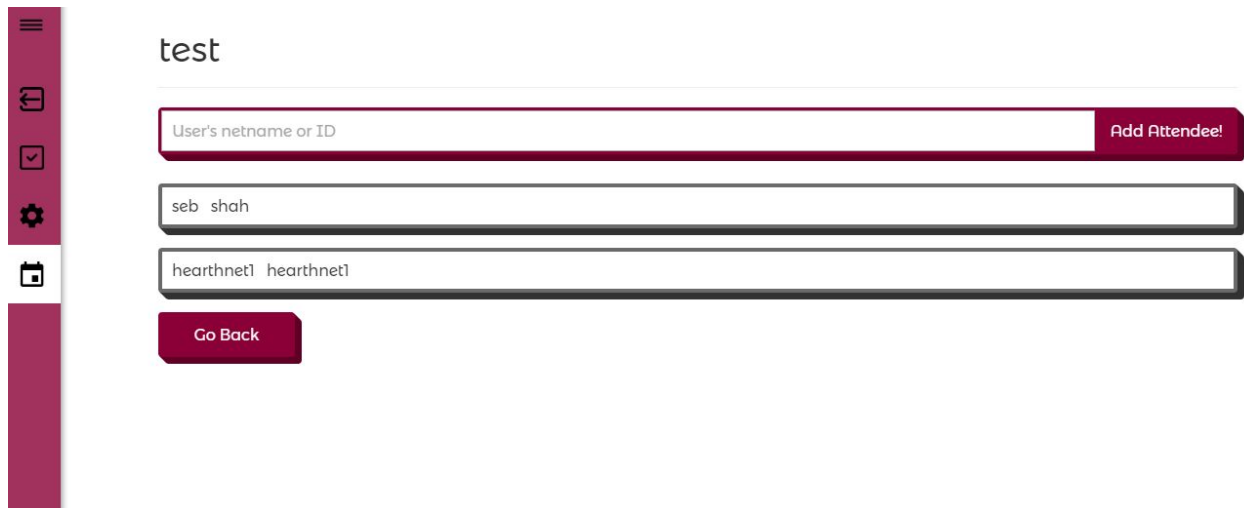


The screenshot shows a web application interface. On the left is a vertical sidebar with a maroon background and white icons: a hamburger menu, a left arrow, a checkmark, a gear, and a calendar. The main content area has a white background. At the top, the word "test" is displayed. Below it is a search bar with the placeholder text "User's netname or ID" and a maroon button labeled "Add Attendee!". Below the search bar is a list of attendees, with the first entry being "seb shah". At the bottom of the list is a maroon button labeled "Go Back".

Here in the search bar you can add an attendee by entering either their netname or student id.

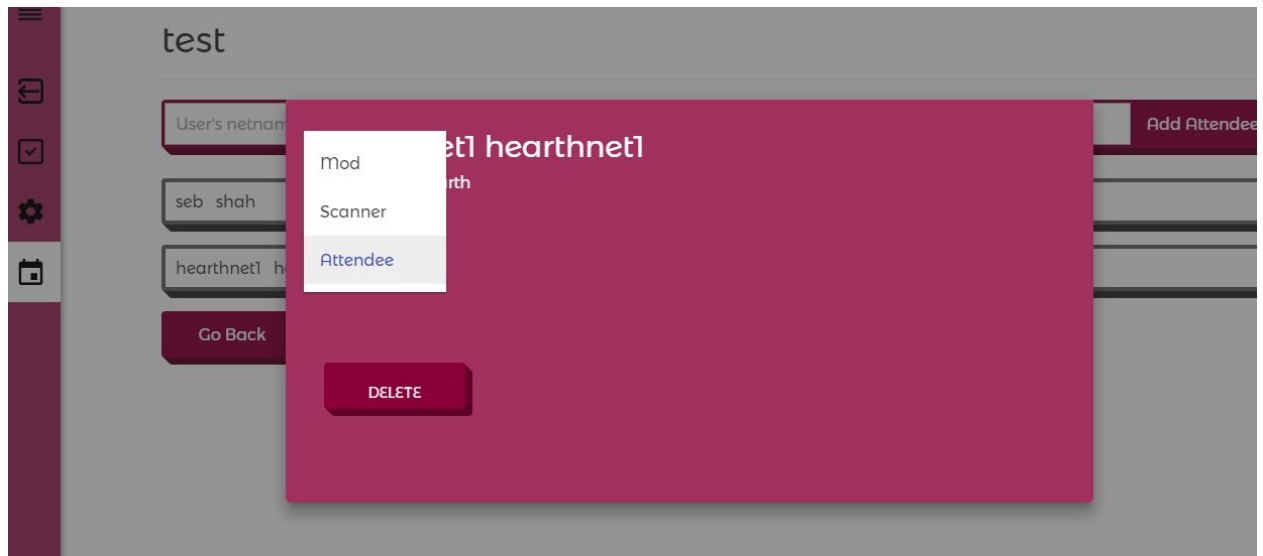


This screenshot shows the same web application interface as the previous one, but with the text "h\_hearth" entered into the search bar. The "Add Attendee!" button remains visible. The list of attendees below still shows "seb shah" as the first entry, and the "Go Back" button is still at the bottom of the list.



The screenshot shows a web interface titled "test". On the left is a vertical sidebar with icons for a menu, back, checkmark, settings, and a calendar. The main content area contains a form with a label "User's netname or ID" and an "Add Attendee!" button. Below the form, there are two input fields: the first contains "seb shah" and the second contains "hearthnet1 hearthnet1". At the bottom of the form is a "Go Back" button.

After an attendee is added you can modify privileges by first clicking on the name and then using the drop down menu to set their role as scanner, attendee or mod.



**Statistic Feature :**

In an event page, you will have a statistic button. Clicking on this button brings up a screen to view all the statistics related to your event.



## Language

The application can be used in french or english.

