

POE Updates

OPSC7312 POE Final



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[Company address]

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**GitHub:**

[**https://github.com/VixeyPopcorn3/OPSC7312-POE-WingWatchApp.git**](https://github.com/VixeyPopcorn3/OPSC7312-POE-WingWatchApp.git)

# Updates made in the WingWatch POE application.

## Login and registration

We have changed the login and registration to implement auth authentication that will be stored in the firebase storage.

## Profile and settings

The seek bar will automatically update itself to the number that has been entered into the kilometre box.

## Observation

The filter has been adjusted; the user’s observation will be ordered by the date the observation was entered. The locations have unique names because there a was a problem with duplicate location names.

## New sighting

We have added a checkbox, the user has the option to check the checkbox if the observation was noted in their current hotspot location.

## Map

We have changed the calculation for the distance of the hotspots from the user because all the distances were out of order. A legend has been added to the maps to show the different types of markers that have been added. The observation are blue markers, and the hotspot are red markers. The blue markers will show up any where the user has been in the world. If the user enters a place that does not exist into the observation the marker will not appear, the area needs to exist for the marker to be visible.

The new sight button has been removed and replaced with a hotspot details button and a navigation button. The hotspot details will take the user to the to the details page of the selected hotspot. The navigation button will take the user out of the application and to the google maps application and direct them to the selected hotspot.

## Community and achievements

The tab will display the user’s username at the top. A legend has been added as a key image, it will show the user what the medals are for and what their ranking is. It will show the number of species that the user has noted down, it will also display the number of sightings of all the birds the user has found as well as the users medal ranking.

The leaderboard will take the other users’ details from the database and display their sighting numbers and species found. It will also display the medal and badge next to the user on the leaderboard.

Extra fact: The medals are drawable that have been physically changed by Zànne Smit, the inner circle of the medal was manually changed, but the outer part of the medal will be the same as it is an image created by Zànne Smit.

## Journal

The journal will fetch the users’ entries from the database. The entries will be ordered from newest to oldest. Users can click the new entry button and be taken to the new journal page that is very similar to the hotspot details page. Once saved the information the user entered will be sent to the database.

## User interface

Most of the user entries font is new (Architects Daughter). Some of the font colours have been altered. The nav bar has been altered. The text size of the fonts have been altered to make the application look better.

## Database

We have added user collection fields due to changing the login and registration to auth authentication. The Email, LoginID and Username are still the same but we’ve added UID, Sight and Species and removed password field. The observation collection has had a field added to it, the users current location with a new sighting this is if the user checked the box in the new sightings page. The journal collection which is new stores the users LoginID, Date and Entry. The user is linked to their account from login and register with their unique UID, this field is in the users collection and the LoginID links all the users information in the other collections.