

# I Heart Corvallis - Mobile Application

## Winter 2018 Midterm Progress Report

### Capstone II

### Winter 2018

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#### **Abstract**

This document takes a look back at the work we have done on the I Heart Corvallis mobile application this past term. It recaps the purposes and goals of the application, explains where we are currently on the project, and describes problems we have faced so far, how they impeded our progress on the project, and how we solved those problems. It also highlights several useful pieces of code we encountered throughout the research process and provides a retrospective of the past 6 weeks, looking back at the positives that happened each week, any changes we need to implement in our project, and what we will do to successfully make those changes.

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## **1 PROJECT OVERVIEW**

The I Heart Corvallis project is a mobile application we are creating for the Corvallis Community Relations office (also known as the CCR office) and is part of a larger Initiative ran by the office to help students become more involved in the Corvallis community. The application focuses on increasing student awareness of events and service opportunities happening around Corvallis, as well as creating an incentive for students to attend these events.

On top of listing events and service opportunities available to users, the application provides users with a passport that shows them which events they've completed. Users receive stamps upon completing events, and when a user accumulates a certain number of stamps, they can turn in their stamps for rewards.

The application also presents users with community resources available to them, a map of notable community establishments and locations, and more information about the I Heart Corvallis initiative.

## **2 CURRENT STATUS**

Currently, we have finished majority of the application interface which will be discussed below in each of our individual progress reports. The main features left to implement are the geolocation, security, authorization of event attendance and small features to the administration website.

## **3 PROBLEMS WE'VE ENCOUNTERED**

One of the first problems we encountered when implementing our application was where to host our database. We had figured that we would be able to host our database on our ONID accounts however, our accounts would only be able to last for a year or so after we graduate which would be a problem for our clients. Another issue that has been coming up is our client bringing up small changes to the application. Which is not too big of problem but all of these small changes continue to add up in the end. And lastly, we would like to be able to access student onid logins for our login page so that students will not have create new accounts for our app. Unfortunately we are still unsure if we have permission from the university to utilize the CAS ONID login system.

## **4 SOLUTIONS TO PROBLEMS**

In order to solve these problems we've either done research, met with people who have done the research, or have made plans to meet with people. The first person we met up with was Derek Whiteside, the director of web and mobile services for OSU. As a group we discussed hosting our database on one of their servers. Unfortunately they were not able to help us as they don't really allow random projects to hang out on their servers, but we did receive a lot of good feedback to our application, including who to talk to about the CASS (or ONID) login and who to contact regarding using Oregon state branding. After that discussion with Derek we decided to take his advice and have our clients go to a third party to host the database. As of now we are still hosting our data on our ONID accounts. In the near future we plan on meeting up with Kegan Sims to discuss OSU branding. In regards to our clients adding small changes, we have set up weekly meetings in order to discuss changes we've implemented and future changes to ensure that we are creating this application in a way that our clients approve of.