OSU
Oregon State
UNIVERSITY

College of Engineering

CS Capstone Final Report

"I Heart Corvallis" Mobile Application

Prepared for

Corvallis Community Relations Office

Lyndi-Rae Petty

Prepared by

Group 14

Omeed Habibelahian
Bradley Imai
Dylan Tomlinson

Abstract

This document takes a look back at the work have done on the I Heart Corvallis mobile application this past term. It recaps the purposes and goals of the project, explains our current status on the project, and details what we have left to complete. It also describes any problems that we have encountered, how they impeded our progress, and how we solved them. The document also showcases some notable pieces of code that we have recently implemented and some updated screenshots of our application and administrative website.

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1 INTRODUCTION

The "I Heart Corvallis" mobile application was conceptualized by the Corvallis Community Relations office to complement their larger "I Heart Corvallis" initiative. The CCR office noticed that many OSU students do not engage much with the greater community and prefer to interact with the OSU community itself, so they started this initiative to build and promote a strong and cooperative relationship between the OSU community and the greater Corvallis community. The goal of the mobile app is to inform students about the various community events, activities, and service opportunities available to them around the community, as well as to give them an incentive to engage in these activities. Our client was Lyndi-Rae Petty, the Graduate Teaching Assistant at the Corvallis Community Relations office, a subset of the Office of Student Life. The development team consisted of Omeed Habibelahian, Bradley Imai, and Dylan Tomlinson. All three of us were heavily involved in nearly all aspects of the application, and we often helped each other out when one of us was stuck on a particular section of the development. It was not so much that one of us took a particular role; we were all involved in the various aspects of development and implementation, as well as in communicating updates and changes with our client. There were, however, a few aspects of the development that we each took more control of. Omeed handled more of the implementation of the administrative website, Dylan was in charge of user security on both the mobile application and the administrative website, and Bradley put in quite a bit of work on the design of the user interface. Our client primarily took the role of supervisor of the project. Every week we would meet with her to discuss the changes we made and new features we implemented, as well as what we had to do next, and she gave input on how she felt about our changes and anything she wanted done differently. When we needed to reach out to another organization or source for guidance or help, we would describe our situation to her, and she would take charge of reaching out to these organizations.

2 REQUIREMENTS DOCUMENT

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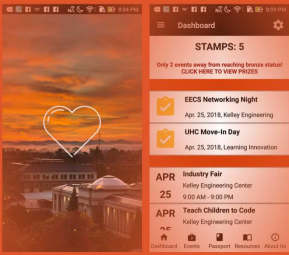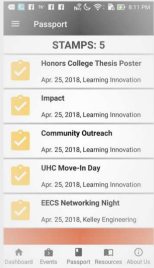
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3 DESIGN DOCUMENT

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5   Weekly Blog Posts

6   Final Poster

7   Recommended Technical Resources to Learn More

- Android Developers Website (https://developer.android.com/)

8   Conclusions and Reflections

8.1   Omeed

8.2   Bradley

8.3   Dylan

9   Appendix I: Essential Code Listings

10   Appendix II: Screenshots