CPSC 304 Project Cover Page

Milestone #: 1

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Group Number: 50

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By typing our names and student numbers in the above table, we certify that the work in the attached assignment was performed solely by those whose names and student IDs are included above. (In the case of Project Milestone 0, the main purpose of this page is for you to let us know your e-mail address, and then let us assign you to a TA for your project supervisor.)
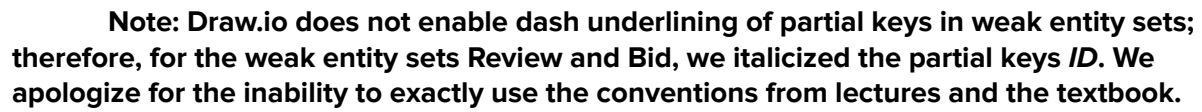
In addition, we indicate that we are fully aware of the rules and consequences of plagiarism, as set forth by the Department of Computer Science and the University of British Columbia.

Our application domain is a local community item exchange called "UBC Give," inspired by "Buy Nothing" Facebook groups. Users will be able to give away and request items for free by creating posts in certain categories with a location and pickup time. They will also be able to review other users, receive announcements sent out by moderators, and file support tickets. Reviews for users can be taken down by moderators if they contain offensive or profane content. Moderators can also flag and suspend accounts, and they can announce broadcasts.

Our approach here is to take meaningful relationships in this community-based exchange and create entities that would fulfill the actions we wanted to model in a significant way. Announcements, categories, flags, listings, locations, moderators, offers, reviews, tickets, and users are represented by entities. Actions performed on each entity are represented as relationships; for instance, moderators have a "resolves" relationship with tickets, and users have a "creates" relationship with listings.

This system will help solve SDG goal 12, responsible consumption and production, in our university. People constantly move in and out and their needs change rapidly. Our application is called "UBC Give" to reduce waste and offer things in need with a community-based, generous attitude. Our application will foster a free spirit of giving what isn't used and receiving what is needed.

Users will be able to post and bid on listings, post or fulfil requests, and send tickets to moderators if things go wrong. In addition to these functionalities, moderators can also flag posts, suspend users, resolve tickets, and broadcast messages to users across the platform. T
Our project will be a website and our platform will use the CPSC department's Oracle database system, using PHP, HTML, CSS, and JavaScript. We do not expect to use any special hardware or software.

Note: Draw.io does not enable dash underlining of partial keys in weak entity sets; therefore, for the weak entity sets Review and Bid, we italicized the partial keys *ID*. We apologize for the inability to exactly use the conventions from lectures and the textbook.