IskUber
Use Case Specification

Submitted to:

Asst. Prof. Ma. Rowena C. Solamo
Faculty Member
Department of Computer Science
College of Engineering
University of the Philippines, Diliman

Submitted by:
Bilaw, Nicole
del Rosario, Luis Gabriel
Tamayo, Juan Gabriel

In partial fulfillment of academic requirements
for the course
CS 191 Software Engineering I
of the
1st Semester, AY 2017-2018

Unique Reference:

The documents are stored in the IskUber GitHub Repository Link.

https://github.com/CrumbleThorn/IskUber

Document Purpose:

This document serves as the official Use Case Specification document for IskUber. This document expounds on the internal details of the use case.

Target Audience:

This document is targeted towards software engineers who wish to learn about the specific flow of events for each use case of the system.

Revision Control

History Revision:

Revision Date	Person Responsible	Version Number	Modification
10/08/17	Luis Gabriel Q. del Rosario	1.0	Initial Document.
10/11/17	Juan Gabriel C. Tamayo	1.1	Filled out empty fields and tables, and added the Activity Diagram; Version number should match the one found in the footer.

Use-Case Name: 5.0 Search For Available Drivers

Description: The user inputs the route and time they wish to travel. A list of available drivers that may accommodate their request will be displayed.

Preconditions: In order to use the search functionality, the user must have already registered for an account. (Use Case 4.1).

Flow of Events:

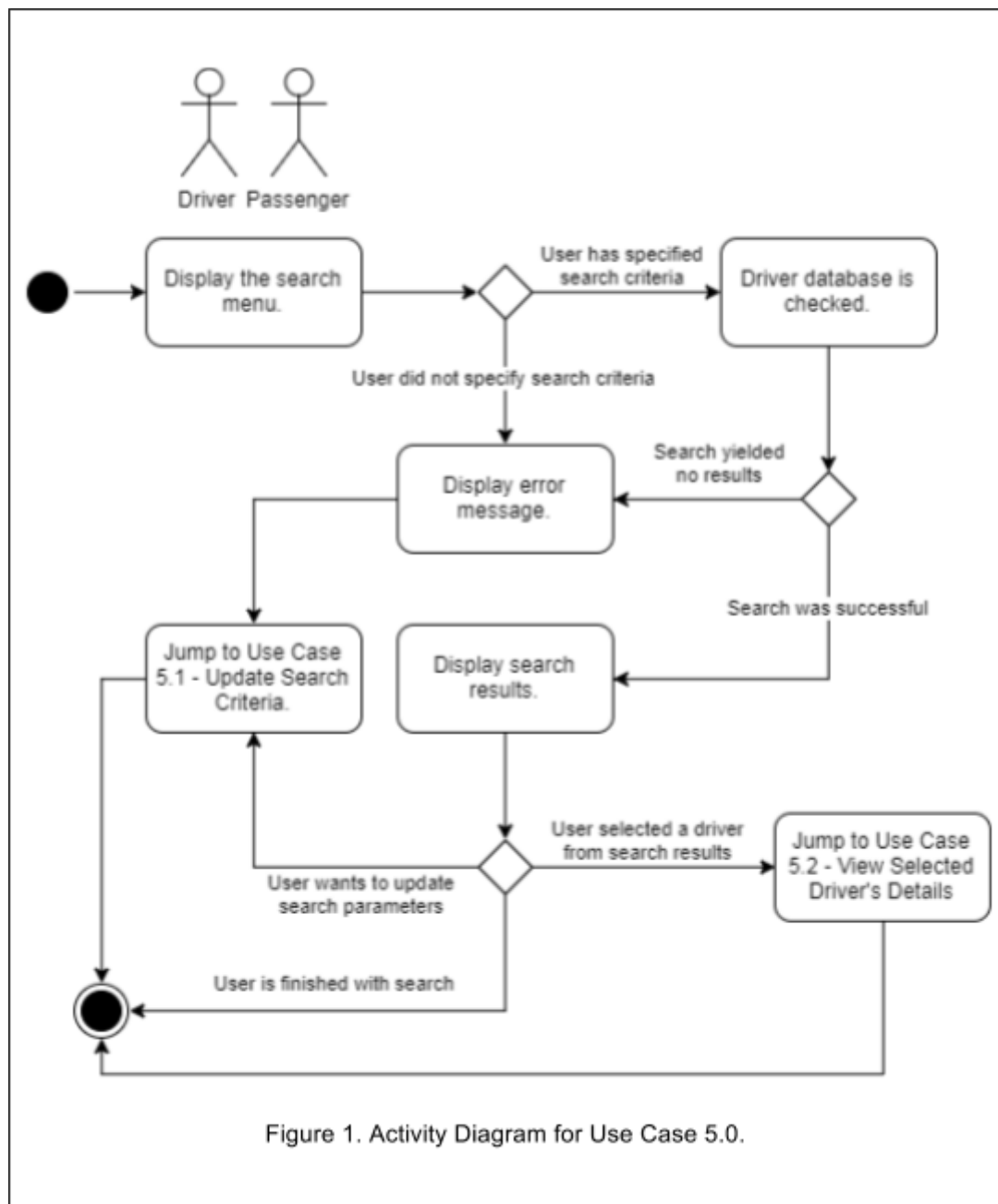| Scenario Name	Description
Scenario 1 (Basic Flow) User fills in the search box, initiates the search, and finds a matching driver.	1. The search menu is displayed. 2. The user fills in the search box. 3. After pressing search, the driver database is checked for matching search criteria. 4. The results are displayed for the user to view. 5. The user picks a driver and views his/her credentials and contact details.
Scenario 2 User fills in the search box, initiates the search, and views the results.	1. The search menu is displayed. 2. The user fills in the search box. 3. After pressing search, the driver database is checked for matching search criteria. 4. The results are displayed for the user to view.
Scenario 3 User fills in the search box, initiates the search, and wishes to update their search criteria.	1. The search menu is displayed. 2. The user fills in the search box. 3. After pressing search, the driver database is checked for matching search criteria. 4. The results are displayed for the user to view. 5. The user clicks a button to return to the search menu and update their search parameters.
Scenario 4 User does not specify any search criterion, but still initiates the search.	1. The search menu is displayed. 2. The user presses search. 3. The search will yield an error, and will return to the search menu.
Scenario 5 The search yielded no matching results.	1. The search menu is displayed. 2. The user fills in the search box. 3. After pressing search, the driver database is checked for matching search criteria. 4. The user is informed that the search yielded no results, and is returned to the search menu.

Activity Diagram of the Flow of Events:

Driver Passenger

Display the search menu.

User has specified search criteria

Driver database is checked.

User did not specify search criteria

Display error message.

Search yielded no results

Search was successful

Jump to Use Case 5.1 - Update Search Criteria.

Display search results.

User wants to update search parameters

User selected a driver from search results

Jump to Use Case 5.2 - View Selected Driver's Details

User is finished with search

Figure 1. Activity Diagram for Use Case 5.0.

Postcondition: NONE

Relationships: NONE

Special Requirements:
       NONE