
Transit

Use Case Model

Submitted to:

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

Submitted by:

Sean Ryan Chan, Menard Cruz, Michael Deo Marrero

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Unique Reference:

The documents are stored in the Google Drive repository
https://drive.google.com/open?id=1HSxT-Okp-XUg_SOYjUAVWYuVvpY1O-3S referenced with Group 5 - Transit - Use Case Model.pdf and Group 5 - Transit - Use-Case Diagram.png

Document Purpose:

The purpose of this document is to model the different actors and use cases in our app *Transit*.

Target Audience:

The target audience of this document is the group members and our supervising professor of the project *Transit*.

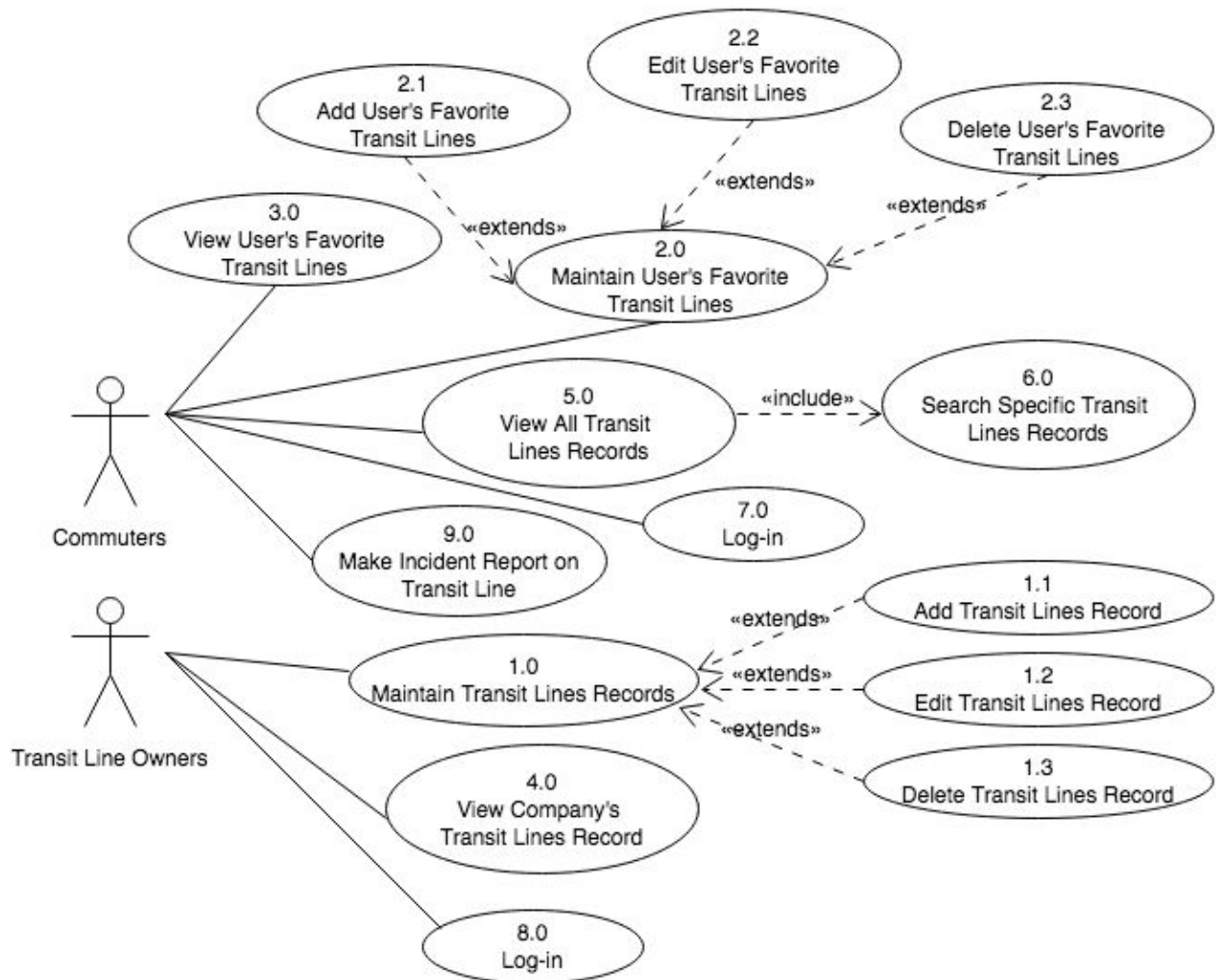
Revision Control:

<i>Revision Date</i>	<i>Person Responsible</i>	<i>Version Number</i>	<i>Contribution and Modification</i>
09/12/2018	Sean Ryan Chan	1.0	Initial Document, Unique Reference, Document Purpose, Target Audience, Use-Case Diagram, System Name, Description, List of Actors, Updated Version Number.
09/12/2018	Michael Deo Marrero	1.1	List of Use-Cases, Proofread the Document for Errors, Updated Version Number.
09/13/2018	Menard Ysrael Cruz	1.2	Added Transit Line Owners Use-Cases Updated Version Number

System Name: *Transit*

Description: *Transit* is a web-based application that delivers information on transit lines to commuters. It informs them of the travel fares, distances, routes, hotlines, reliability, safety, and other metrics of transit lines going to their destination. The goal of the application is to guide travelers and commuters to more reliable transit lines.

Use-Case Diagram:



List of Actors:

<i>Actors</i>	<i>Description</i>
Commuters	The commuters are the target audience of our app. They will be the ones to look up information on transit lines and save them as favorites. Should anything happen to their favorite routes, they will be informed as such.
Transit Line Owners	Transit Line Owners are businesses and organizations that supervise and manage the transit lines. They will supply information on transit lines so as to inform commuters of them.

List of Use-cases:

<i>Use-Case</i>	<i>Description</i>
Use-Case 1.0 Maintain Transit Line Records	The Transit Line Owners are able to add new travel points/lines to the app. This includes adding, editing and deleting lines. This is necessary as the stations often change their systems such as fares, and open times.
Use-Case 1.1 Add Transit Line Record	The Transit Line Owners can add new Transit line records. For example, if a certain terminal have a new destination as an option; they could add it to the applications and the users may be notified that a new transit line is available.
Use-Case 1.2 Edit Transit Lines Record	The Transit Line Owners are able to modify their transit lines. This would mean updating the record of the availability of the transit line, the fares needed for travel, and possibly its travel route depending on the latest rules of the transportation systems.
Use-Case 1.3 Delete Transit Lines Record	The Transit Line Owners can delete their records of the transit lines to show that the lines deleted are now unavailable. This should sever all connections that are linked to the deleted transit lines.
Use-Case 2.0 Maintain User's Favorite Transit Lines	The Commuters can maintain and organize their favorite Transit Lines in the app. This will allow the updating of transit lines that they usually use in commuting, so it would be easier for the commuter to keep track on what's happening on those certain transit lines.
Use-Case 2.1 Add User's Favorite Transit Lines	This is part of the maintenance of favorite transit lines of the commuter. It focuses on the addition of certain Transit Lines that would deem helpful on commuting back home, and have it as one of their favorites listed.
Use-Case 2.2 Edit User's Favorite Transit Lines (Routes)	This is also a part of the maintenance of favorite routes of the commuter. Since a favorite route from one point to another could consist of multiple transit lines, they can edit these said routes. They could also set their notifications on/off on their favorite transit lines.
Use-Case 2.3 Delete User's Favorite Transit Lines	This is another part of the maintenance of favorite transit lines of the commuter. It focuses on removing/deleting the transit line from the favorites list. The reasons could be that the commuter doesn't like its services, or the certain transit line is down, etc.
Use-Case 3.0 View User's Favorite Transit Lines	The Commuters can view their current favorite transit lines in the application. This would contain news and updates regarding the transit lines that enlisted as favorites. Such news and updates may be change of

	prices, schedules, etc.
Use-Case 4.0 View Company's Transit Lines Records	The Transit Line Owners can view their Transit Line Directory so that tracking of their transit lines would be easier to view.
Use-Case 5.0 View All Transit Line Records	Additionally, the Commuters can also view all the transit lines available in the app. This would help in finding suitable transit lines for the commuter at which it meets at their standards.
Use-Case 6.0 Search Specific Transit Lines Records	This functionality is an inclusion of the 5.0, where it focuses on searching a specific transit line for more information. Upon search, the commuters can have access to important informations that may be relevant for their commute back home.
Use-Case 7.0 Log-In (Commuters)	Commuters can log-in to the app. Upon doing so, they can now do the other functionalities such as 2.0, 3.0, and 5.0.
Use-Case 8.0 Log-In (Transit Line Owners)	Transit Line Owners can login to a transit line owner account. Upon doing so, they can do functionalities such as 1.0 and 4.0.
Use-Case 9.0 Make Incident Report on Transit Line	Commuters may add comments on specific transit line that could help transit line owners improve their own transit lines in terms of better quality and safety.