UP BikeShare Web App
Use Case Specification

Submitted to:

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Unique Reference:

The documents are stored in the https://github.com/kozloz/nesy

Document Purpose:

The purpose of this document is to provide information on how the web app will be working with a user-submitted bike issue report.

Target Audience:

UP BikeShare members and users.

Revision Control

History Revision:

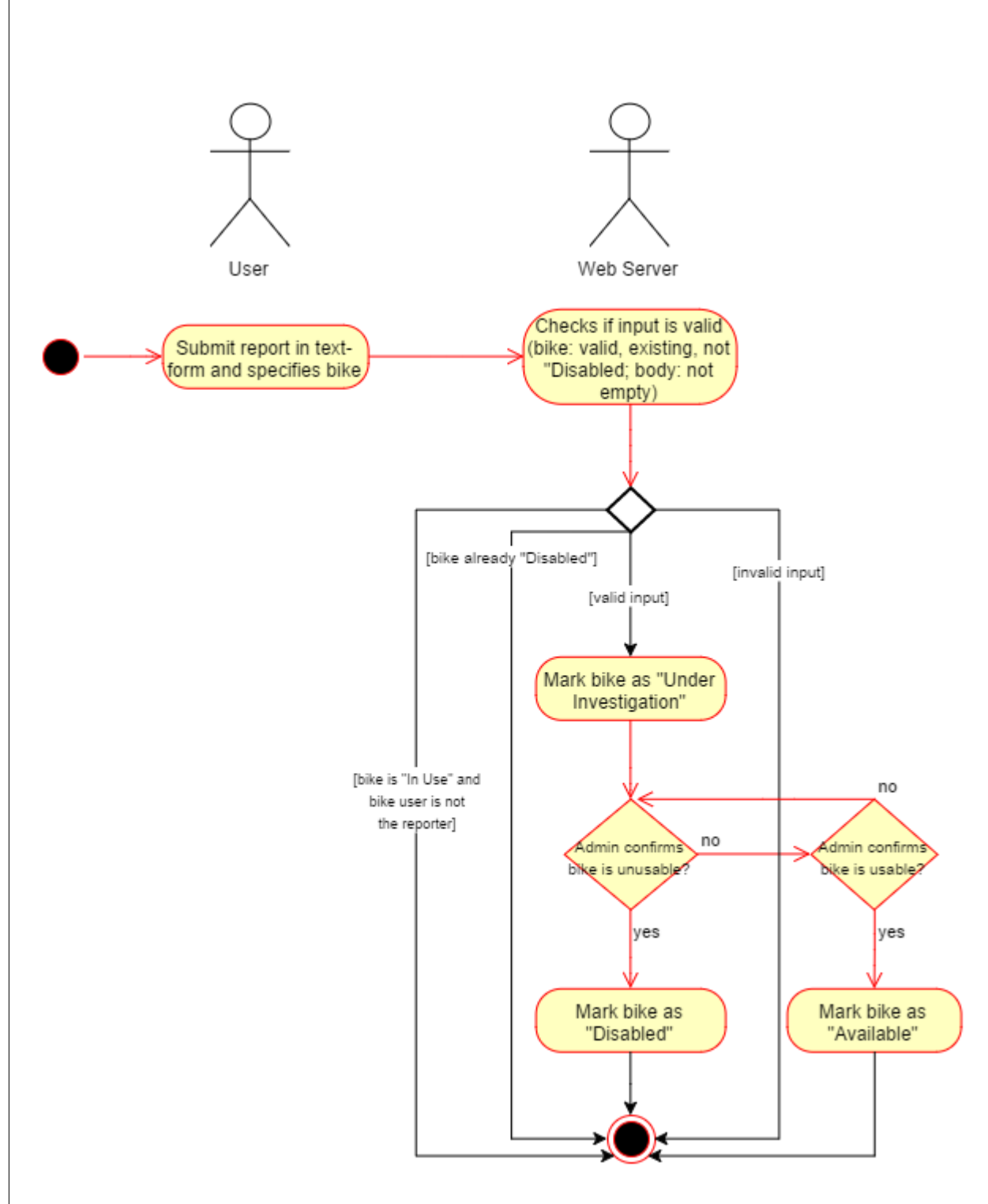| Revision Date	Person Responsible	Version Number	Modification
09/18/15	Paul Emil Ongoco	1.0	Initial Document; Included descriptions, Flow of Events, Activity Diagram, etc.

Use-Case Name: 3.3 Report Bike Issue

Description: This use case shows how a user can report a specific bike when it has issues. A report must consist a body describing the problem and should also specify which of the bikes is being reported. A bike can only be reported if it is not already disabled, or if it is not being used by another user (You can only report a bike that is in use if you are the one using it).

Preconditions: User must be logged in with an account

Flow of Events:

Scenario Name	Description
Scenario 1 (Basic Flow) Bike issue is reported.	1. User submits a report in a form of text and selects a bike to report through the web app. 2. Web server checks if a bike is specified, is existing, and is not labelled as "Disabled" or "In use" and the body of the report is not empty. 3. If the specified bike is labelled as "In Use" and the user of that bike is also the reporter, proceed. 4. If the user-selected bike is not labelled as "Disabled" and the body of the report is not empty, the submitted report is directly sent to an admin's email. 5. The Web Server marks the reported bike as "Under Investigation." 6. When an admin confirms that the reported bike is not usable, he marks the bike as "Disabled" through the Web Server; if not, it will remain "Under Investigation" until the bike is confirmed to be unusuable or until the bike is confirmed to be usable. In the latter case, the admin will mark the bike as "Available."
Scenario 2 Bike issue report is not accepted due to invalid input.	1. User submits a bike issue report with either empty body, no specified bike, or bike specified does not exist. 2. Web server checks if a bike is specified, is existing, and is not labelled as "Disabled" or "In use" and the body of the report is not empty. 3. If the user did not specify a bike to be reported, or specified one but it doesn't exist, or the body of the report is empty, then the report will not be accepted.
Scenario 3 Bike issue report is not accepted since the bike being reported is already marked as disabled or in use by another user.	1. User submits a report in a form of text and selects a bike to report through the web app. 2. Web server checks if a bike is specified, is existing, and is not labelled as "Disabled" or "In use" and the body of the report is not empty. 3. If the specified bike in the report is already marked as "Disabled," then the report will not be accepted.
Scenario 4 Specified bike is "In Use" and the bike user is not the reporter.	1. User submits a report in a form of text and selects a bike to report through the web app. 2. Web server checks if a bike is specified, is existing, and is not labelled as "Disabled" or "In use" and the body of the report is not empty. 3. If the specified bike is labelled as "In Use" and the user of that bike is not the reporter, then the report will not be accepted.

Activity Diagram of the Flow of Events:

Postcondition: NONE

Relationships: NONE

Special Requirements:
      NONE