Textual Use Cases – Luke Jeries

Use Case ID: BSB01 - Manage Routes

Scenario:

Actor: Administrator

Pre-conditions:

1. Administrator is logged in to the system.

Description:

1. Use case begins when the Administrator selects the “Administrator Features” option from the app menu.
2. The system presents the user with the Administrator Features menu.
3. Administrator selects the Manage Routes option from the menu.
4. System retrieves route list for Administrator’s registered school.
5. System presents list of routes to user.
6. Administrator selects the route they wish to modify.
7. System pulls up detail form for selected route.
8. Administrator changes desired details of route and hits “submit changes”
9. Use Case ends when system updates form and returns Administrator to Administrator Features menu.

Post Conditions:

1. School’s route list has been permanently updated.

Alternate Course of Action:

1. In Step D6, Administrator may select to add a new route rather than modify existing.

Related Use Cases:

Log in

Decision Support:

Frequency: After initial set up, route adjustments should be limited. About 3 per month in regular use.

Criticality: High. Creation of routes is the core feature of setting up the system.

Risk: Medium. Use case employs modification of server info.

Constraints:

Route list should be available to modify >90% of each 24 hour day.

Use Case ID: BSB02 – Send Bus Emergency Notification

Scenario:

Actor: Driver

Pre-conditions:

1. User is logged in to the system.

Description:

1. Use case begins when a registered Driver selects “Send Emergency Update” from app menu.
2. System presents the Update form to user.
3. Users enters text detailing desired broadcast message.
4. System sends notification to all users registered to that Driver’s route.
5. Use case ends when system returns user to app menu.

Exceptions:

1. User is not a registered Driver.
2. Driver has no associated routes.

Related Use Cases:

Log in

Decision Support:

Frequency: Low. Updates should be few and far between.

Criticality: Low. Emergency Updates are a non-essential feature, merely quality of life.

Risk: Medium. Use case employs modification of server info and push notifications.

Constraints:

Emergency Updates are pushed to users within 1 minute.