

# Project Use Case for The Ride - Multi Provider Optimization

Team 205

Oct 6, 2017

- Case #1:

<b>Use Case:</b>	Import trips into the system
<b>Primary Actor:</b>	System administrators
<b>Goal in Context:</b>	To import requested trips (as a XML file) in to the system
<b>Preconditions:</b>	System must be fully configured, administrator's identity must be verified (through username and password)
<b>Trigger:</b>	The administrator wants to get the scheduled trips for vehicles at a specific day.
<b>Scenario:</b>	<ol style="list-style-type: none"><li>1. The administrator open the software</li><li>2. The administrator enter his/her username and password</li><li>3. The administrator click "input XML" on the interface</li><li>4. The administrator select designated file in the pop up file explorer.</li><li>5. The administrator clicked OK</li><li>6. The system read the XML file and display the information in the file</li></ol>
<b>Exceptions:</b>	<ol style="list-style-type: none"><li>1. Username or password is incorrect or not recognized</li><li>2. Input XML file is not configured for this system, system display an error message</li><li>3. Fail to open XML file, system display an error message</li><li>4. Data in the XML file exceed system's capacity, system display an error message</li></ol>
<b>Priority:</b>	Top priority, should be implemented at first
<b>When available:</b>	Third sprint
<b>Channel to actor:</b>	Via PC based device and Internet connection
<b>Open Issues:</b>	<ol style="list-style-type: none"><li>1. How does our system handle incorrect data in XML file such as empty line or empty field?</li></ol>

- Case #2:

<b>Use Case:</b>	Output trips as XML
<b>Primary Actor:</b>	System administrators
<b>Goal in Context:</b>	Output the trip file as XML (as requested by the client)
<b>Preconditions:</b>	System must be fully configured, administrator's identity must be verified (through username and password)
<b>Trigger:</b>	The administrator wants to get the scheduled trips for vehicles at a specific day.

<b>Scenario:</b>	<ol style="list-style-type: none"> <li>1.The administrator open the software</li> <li>2.The administrator enter his/her username and password</li> <li>3.The administrator add/delete/check data shown in the main page</li> <li>4.The administrator click “output xml” on the interface</li> <li>5.The administrator choose where on the local disk the file should output and click “OK”</li> <li>6. A XML file will be generated</li> </ol>
<b>Exceptions:</b>	<ol style="list-style-type: none"> <li>1. Username or password is incorrect or not recognized</li> <li>2. Input XML file is not configured for this system, system display an error message</li> <li>3. Fail to open XML file, system display an error message</li> <li>4. Data in the XML file exceed system’s capacity, system display an error message</li> </ol>
<b>Priority:</b>	Top priority, should be implemented at first
<b>When available:</b>	Third sprint
<b>Channel to actor:</b>	Via PC based device and Internet connection
<b>Open Issues:</b>	<ol style="list-style-type: none"> <li>1. Does our algorithm effect enough to deal with the change administrator in scenario 3</li> </ol>