

Load Data
Actor: + User + Fix Data
Conditions: + None
<p>(1) The User gives a file name to Load Data.</p> <p>Scenarios:</p> <ul style="list-style-type: none"> - Principal - The file name ends with '.csv' - Exeption - The filename doesn't end with '.csv' Go to (e1) <p>(2) Load Data asks the Operative System for the file specified by User.</p> <p>Scenarios:</p> <ul style="list-style-type: none"> - Principal - Operative System is able to give the file to Load Data. - Exeption - Operative System isn't able to give the file to Load Data Go to (e2) <p>(3) The file's data is encoded as XML.</p> <p>Scenario:</p> <ul style="list-style-type: none"> - Principal - The data can be encoded as XML. - Exeption - The data can't be encoded as XML. Go to (e3) <p>(4) The XML encoded data is analysed to determine errors in the original file.</p> <p>Scenarios:</p> <ul style="list-style-type: none"> - Principal - The data is free from errors. - Exeption - There's at least one error in the data. Go to (e4) <p>(e1) Tell User to enter a name that ends in '.csv'</p> <p>(e2) Tell User why the OS can't fetch the specified file.</p> <p>(e3) Tell User there was a problem encoding the data.</p> <p>(e4) Call Fix Data.</p> <p>Scenario:</p> <ul style="list-style-type: none"> - Principal - Fix Data repairs the data and tells Load Data what changed. Then Load Data tells User how the data was fixed. - Secondary - Fix data wasn't able to repair the data. Show User Fix Data's message.

Fix Data
Actor: + Load Data
Conditions: + Data is given as XML
<p>(1) Load Data gives Fix Data an invalid data set.</p> <p>(2) The invalid data set is analysed by Fix Data to determine whether it can be fixed or not.</p> <p>Scenarios:</p> <ul style="list-style-type: none"> - Principal - Data set can be fixed. - Exeption - Data set can't be fixed. Go to (e1) <p>(3) Repair data tell Load Data what was changed.</p> <p>(e1) Tell Load Data that there's nothing the system can do to fix this data set.</p>

Create View
Actor: + User + Database + Load Data
Conditions: + Could connect to Database
<p>(1) Ask Load Data for the most recent XML encoded data.</p> <p>Scenarios:</p> <ul style="list-style-type: none"> - Principal - Load Data returns with an XML encoded data. - Secondary - Load Data tells Create View that there's no XML encoded data. Go to (1a) <p>(1) Ask User to set attributes for new view and compare view with the XML encoded data.</p> <p>Scenarios:</p> <ul style="list-style-type: none"> - Principal - The view is compatible with the data. - Exeption - The view isn't compatible with the data. Go to (e1) <p>(1a) Ask User to set attributes for new view.</p> <p>(2) Create a new view using the attributes specified by User.</p> <p>(3) Insert new view in Database</p> <p>Scenarios:</p> <ul style="list-style-type: none"> - Principal - View was inserted into the Database. - Exeption - View wasn't inserted in the Database. Go to (e2) <p>(e1) Tell User that the attributes set aren't compatible with the data.</p> <p>(e2) Tell User there was an error inserting the view in Database</p>