

Visualize Data
<p>Actor:</p> <ul style="list-style-type: none"> + User + Load Data + Get View
<p>Conditions:</p> <ul style="list-style-type: none"> + Load Data executed and didn't threw any exeption.
<p>(1) Load Data gives Visualize Data some data encoded as XML.</p> <p>(2) Visualize Data asks Get View for a list of all available views and tells User to choose one.</p> <p>Scenarios:</p> <ul style="list-style-type: none"> - Principal - User choose a view. - Secondary - User didn't choose any view. Use default view - Exeption - Get View wasn't able to fetch any view. Tell User there's a problem fetching views and exit PlasmaGraph <p>(3) The data is analyzed to determine if it is compatible with the view.</p> <p>Scenarios:</p> <ul style="list-style-type: none"> - Principal - The view and the data set are compatible. - Exeption - The view and the data set aren't compatible. Go to (e1) <p>(5) Create and display in screen a graphical representation of the given data set using the provided view.</p> <p>(e1) Display a message in screen telling User that the view selected isn't compatible with the data set loaded.</p>

Get View
<p>Actor:</p> <ul style="list-style-type: none"> + Visualize Data + Modify View + Database
<p>Conditions:</p> <ul style="list-style-type: none"> + Could connect to Database.
<p>(1) Fetch views from Database</p> <p>Scenarios:</p> <ul style="list-style-type: none"> - Principal - A set of views was retrieved from the Database. - Exeption - The Database didn't returned any views. Go to (e1) <p>(2) Give Visualize Data all the views</p> <p>(e1) Tell Visualize Data that it wasn't able to fetch any view.</p>

Save Visualization
<p>Actor:</p> <ul style="list-style-type: none"> + User
<p>Conditions:</p> <ul style="list-style-type: none"> + Visualize Data executed without throwing any exeption.
<p>(1) Ask User where he/she wants to save the graphic made by Visualize Data.</p> <p>(2) Ask Visualize Data for the last graphic rendered.</p> <p>(3) Encode rendered graphic as a '.png' image.</p> <p>(4) Ask OS to store '.png' image in the location specified by User.</p> <p>Scenarios:</p> <ul style="list-style-type: none"> - Principal - OS saved the image with no problem. - Exeption - OS wasn't able to save the image. Go to (e1) <p>(e1) Tell user there's a problem saving the image.</p>

Modify View
<p>Actor:</p> <ul style="list-style-type: none"> + User + Database + Get View
<p>Conditions:</p> <ul style="list-style-type: none"> + None
<p>(1) Ask Get View for a list of views.</p> <p>Scenarios:</p> <ul style="list-style-type: none"> - Principal - Get Views returns with a list of views. - Exeption - Get View returns with an error message. Go to (e1) <p>(2) Ask User to choose one view and whether he/she wants to modify or delete.</p> <p>Scenarios:</p> <ul style="list-style-type: none"> - Principal - User choose modify Go to (3b) - Secondary - User choose to delete. Go to (3a) <p>(3a) Tell Database to delete the selected view.</p> <p>Scenarios:</p> <ul style="list-style-type: none"> - Principal - View was deleted successfully - Exeption - The view wasn't deleted. Go to (e2) <p>(3b) Ask User which attributes he/she wants to modify.</p> <p>(4) Tell Database to update view's information to match new attributes.</p> <p>Scenarios:</p> <ul style="list-style-type: none"> - Principal - View was updated. - Exeption - Error updating View Go to (e3) <p>(e1) Tell User the message given by Get View.</p> <p>(e2) Tell User there was a problem deleting the selected view.</p> <p>(e3) Tell User there was an error updating the view information.</p>