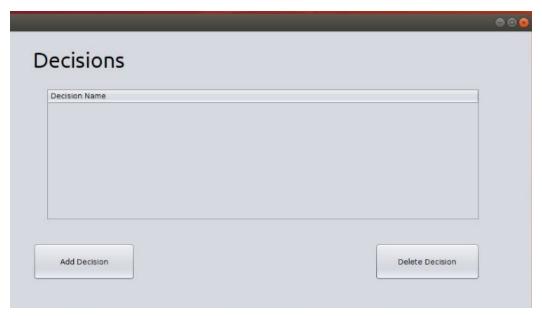
DATA WAREHOUSING MINOR PROJECT

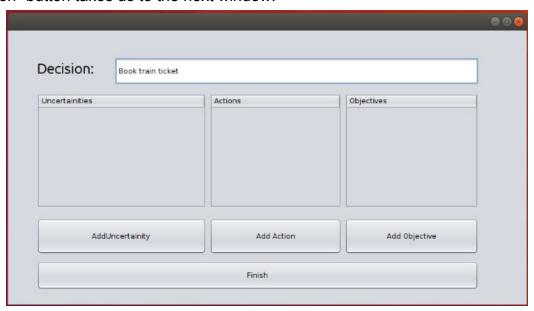
DECISION: BOOK A TRAIN TICKET

Our team has developed a tool using Java and SQL Server database system to assist in decision making for booking a train ticket. Our tool inputs the Decision our user wants to make along with Uncertainties, Actions, Objectives and the related attributes, entities, Data type, History, etc.

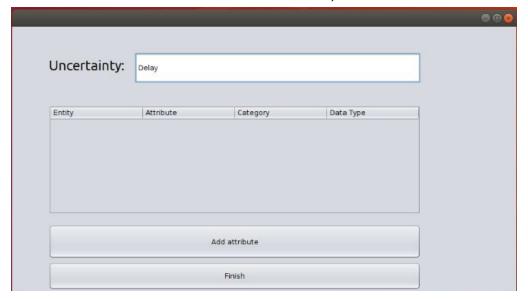
Following are screenshots of our Java GUI application for adding a decision, with explanations.



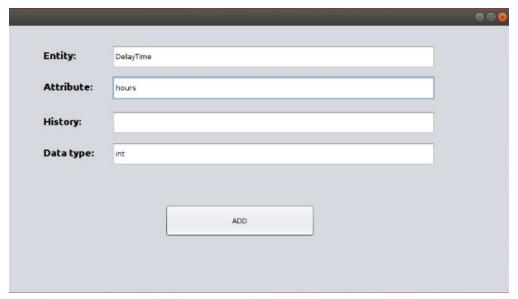
This window displays the decisions already present in our database system. The "Add Decision" button takes us to the next window.



In this window we add the decision we want to take and then uncertainties actions and objectives associated with it. (Our application needs at least 1 uncertainty, action and objective for a decision to be added into the database)



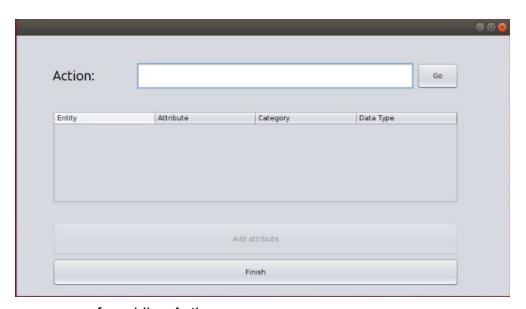
This is where we add the uncertainty and then click on the "add attribute" button which leads to the next window.



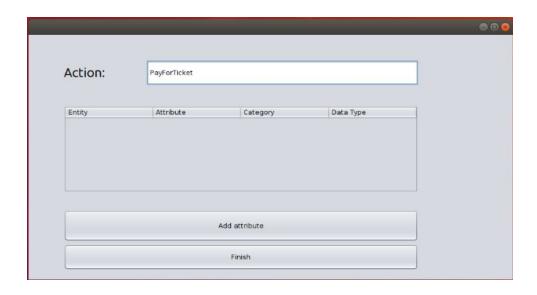
Here we add the Entity, Attribute, History and Data Type of the uncertainty. Once done, click "Add" Button which will led to the next screen.

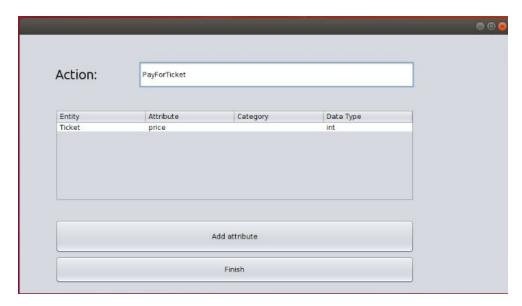


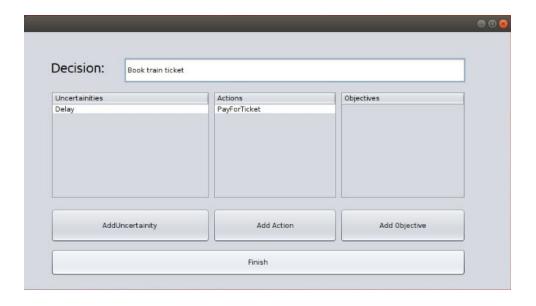
We see now that an Uncertainty is added in the database. Click "Finish" button after all the certainties are added.

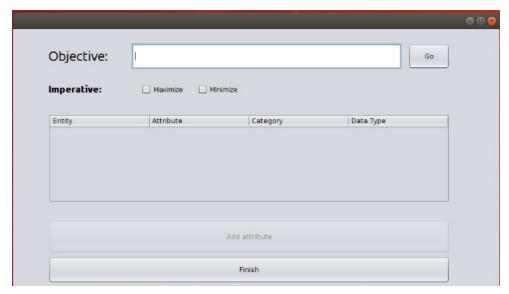


Same process goes for adding Actions.

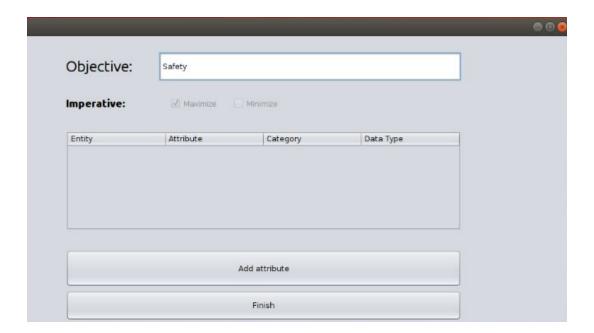


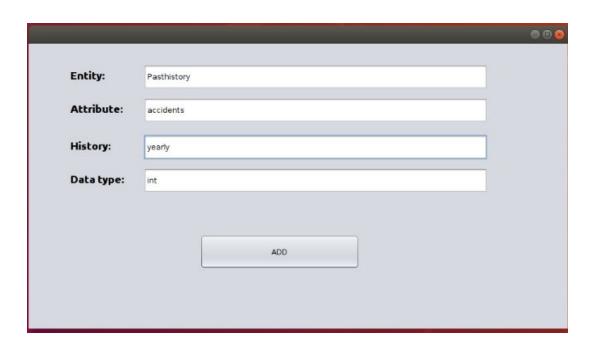


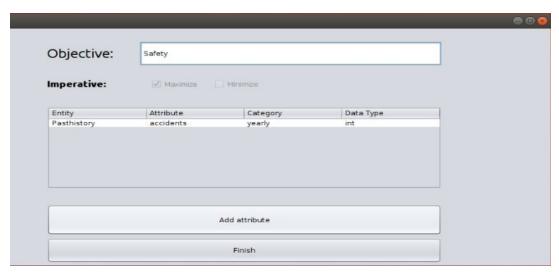


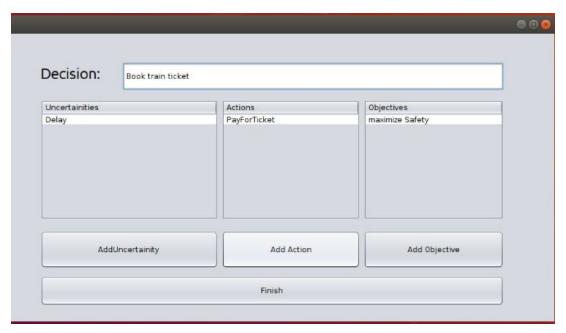


Same process goes for adding Objectives.

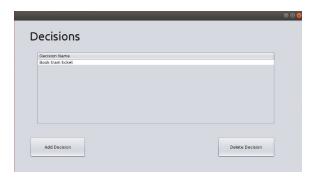




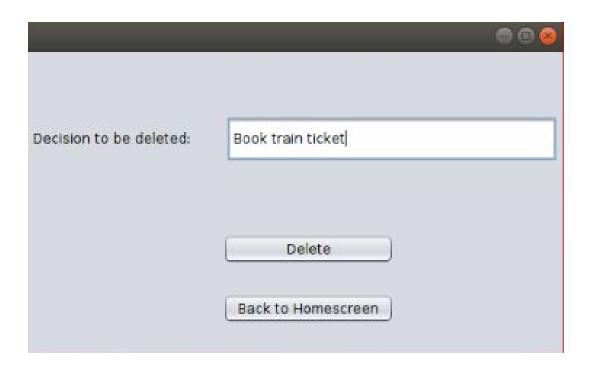


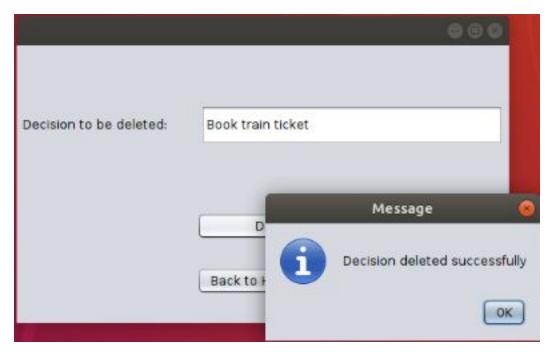


Now, after adding at least one uncertainty, Action and Objective, click "Finish" button.



Now we see that a decision is added to our Database. You can also delete any decision at any given point of time by clicking the "Delete Decision" Button.







We now see that our selected decision is deleted.

We have stored data elicitation model for our decision using the following tables: Uncertainty(Decision, Uncertainty, Entity, Attribute, History, Data Type)
Action(Decision, Action, Entity, Attribute, History, Data Type)
Objective(Decision, Imperative, Objective, Entity, Attribute, History, Data Type)

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