

1. GUI StateChart

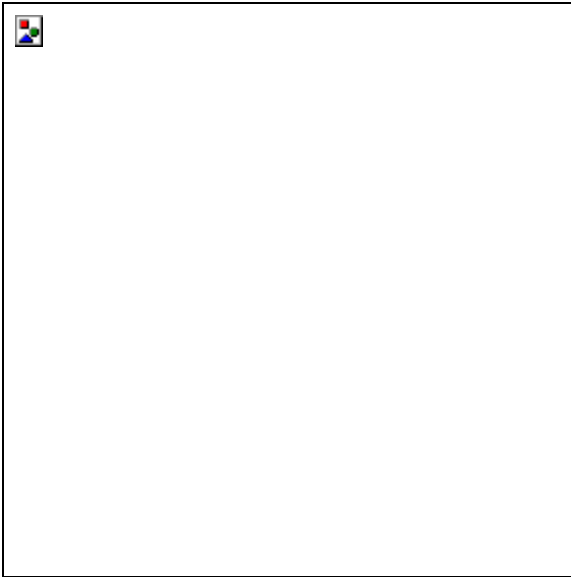


Figure 1. GUI (StateChart)

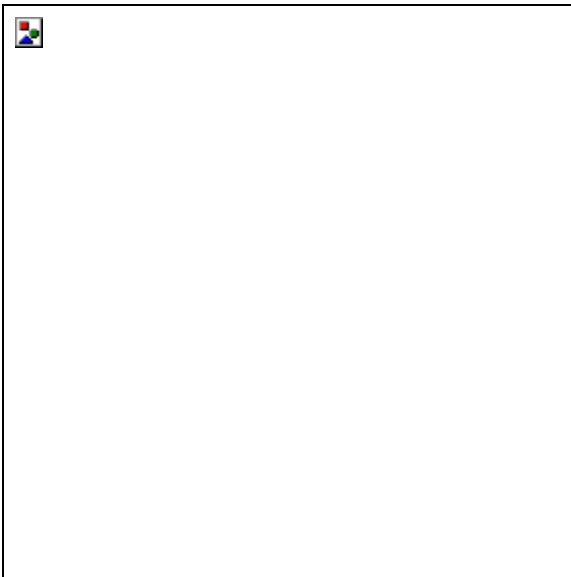


Figure 2. Query (StateChart)

ROOT
Or-state
Substates:
Completed
PassengerInterface
Query
terminate
Default Transition
/queryInput ()
Target:
PassengerInterface
Completed

Or-state
Out Transition
/showWindow(html, fileName)

Target:
terminate

PassengerInterface

Or-state
Out Transition
submitQuery

Target:
Query

Query

Nested Statechart
Or-state
Out Transition
createItinary/queryResult(jtp, tabIndex, source, dest, vias)

Target:
Completed

terminate

Local Termination State
Statechart of Query

ROOT
Or-state
Substates:
Query

Query
Or-state
Substates:
Processing
QueryComplete
Submit
terminate
Default Transition
/submitQuery()
Target:
Submit

Processing
Or-state
Out Transition
when[query=complete]
Target:
QueryComplete

QueryComplete
Or-state
Out Transition
Target:
terminate

Submit
Or-state
Out Transition
getPossibleJourneysToday[query = OK]
Target:
Processing

terminate

Local Termination State

2. Init StateChart

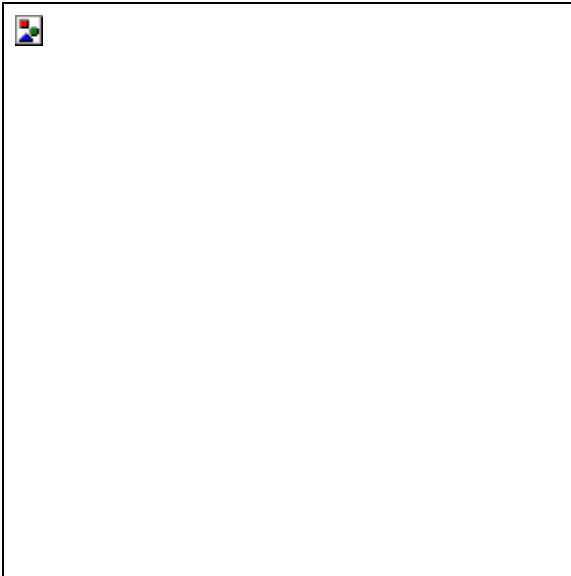


Figure 3. Init (StateChart)

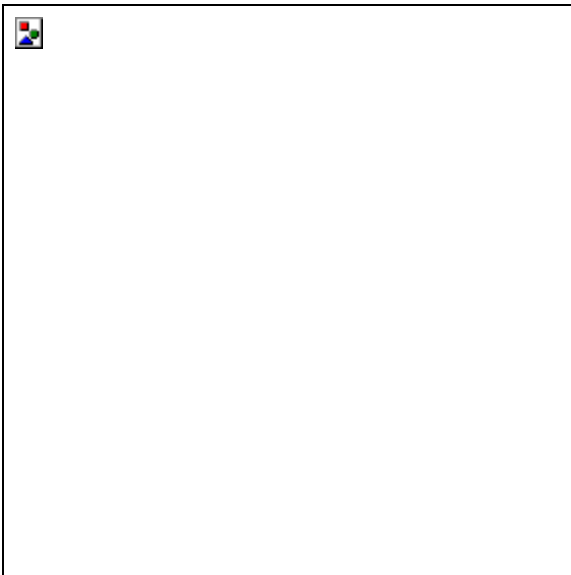


Figure 4. Configuration (StateChart)

ROOT
Or-state
Substates:
Configuration
Loading
StartUp
terminate
UserInterface
Default Transition
/init()



Target:
 StartUp
Configuration
 Nested Statechart
 Or-state
 Out Transition
 displayInitialGUI/PassengerGUI.getComp(compIndex, jtp, tabIndex);
 StationGUI.getComp(compIndex, jtp, tabIndex);
 NetOpGUI.getComp(compIndex, jtp, tabIndex)
 Target:
 UserInterface
Loading
 Or-state
 Out Transition
 exists[exists = true]/querySystem(trackData; trainData)
 Target:
 Configuration
StartUp
 Or-state
terminate
 Local Termination State
UserInterface
 Or-state
 Out Transition
 Target:
 terminate
 Statechart of Configuration
ROOT
 Or-state
 Substates:
 Configuration
Configuration
 Or-state
 Substates:
 NetworkSettings
 ReadingFiles
 StationSettings
 terminate
 Default Transition
 /read()
 Target:
 ReadingFiles
NetworkSettings
 Or-state
 Out Transition
 querySystem/setFullName(); setX(); setY()
 Target:
 StationSettings
ReadingFiles
 Or-state
 Out Transition
 /Network(trackData); Timetable(timetableFile, networkFile)
 Target:
 NetworkSettings
StationSettings
 Or-state
 Out Transition

when[config loaded successfully]

Target:

terminate

terminate

Local Termination State