**CSCI 6511**

**Artificial Intelligence Project Part 1 - Template**

**Team 5**

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## **Templates**

;;\*\*\*\*\*\*\*\*\*\*\*

;;

;; TravelerTemplates.clp

;;

;; this file contains the load commands for initializing the ChemAdvisor.

;;\*\*\*\*\*\*\*\*\*\*\*

(deftemplate Station "Description of Station"

(slot name (type SYMBOL))

(multislot line (type SYMBOL))

(multislot zone (type INTEGER))

(slot Interchange (type SYMBOL) (allowed-symbols yes no) (default no))

(slot InternalInterchange (type SYMBOL) (allowed-symbols yes no) (default no))

)

(deftemplate NextStation "Description of Next Station"

(slot CurrStation (type SYMBOL))

(multislot CurrStationLine (type SYMBOL))

(slot NextStation (type SYMBOL))

(multislot NextStationLine (type SYMBOL))

)

(deftemplate Line "Description of lines"

(slot name (type SYMBOL))

(multislot startingStation (type SYMBOL))

(multislot endingStation (type SYMBOL))

(multislot stationList (type SYMBOL))

(multislot stationtoStationTimes (type INTEGER))

(multislot transferBetween (type SYMBOL) (default nil))

)

(deftemplate Attraction "the attractions in London area"

(slot name (type SYMBOL))

(slot nearbyStations (type SYMBOL))

(slot description (type STRING))

)

(deffacts fare "fare between zones"

(fare (StartStationZone 1)(DestinationStationZone 1)(amount 2.4))

(fare (StartStationZone 2)(DestinationStationZone 2)(amount 2.4))

(fare (StartStationZone 1)(DestinationStationZone 2)(amount 2.9))

(fare (StartStationZone 2)(DestinationStationZone 1)(amount 2.9))

)