Descriptions:

Route planning task includes these objects:

* Back officer
* Controller
* Map service
* Database

Description of module interaction:

* Back officer tells the controller to get list of MCPs
* Controller gets a list of MCPs from the database and returns the list to the back officer
* Back officer then starts choosing MCP(s) from the list:
  + Chosen MCP(s) will be verified by the controller. If they are invalid, controller outputs an error and ceases operation
  + The MCP selection will repeat until the back officer finishes choosing MCP(s)
* Back officer tells the controller to get recommended routes from the chosen MCP(s)
* Controller passes the request with list of chosen MCP(s) to the map service
* Map service creates one or more optimal routes and returns it to the controller
* Controller returns list of optimal routes to the back officer
* Back officer selects one of the optimal routes
* Back officer tells the controller to save the chosen route and task into the database
* Controller sends the route and task into the database