## Design for the MiddleTier in MayITaxi

The MayITaxi project makes it easy for members to find rides. The sections below detail the various functionalites (aka controllers) that the application provides for this purpose.

1. SearchController: This controller keeps track of all the available Rides in JSON format. It allows for search by Location such as with an AJAX call for /Search/FindByLocation?longitude=45&latitude=-90.

You should also be able to search by place name or zip because these can translate to Latitude or Longitude.

You should also be able to get the most popular location for rides

/Search/GetMostPopularLocation?limit=5

1. HomeController: This controller should merely provide the default page, About page and the PrivacyPolicy.
2. ServicesController: This controller provides additional services such as RSS or iCalFeed or Flair. These are helpful for integration as feeds.
3. RSVPController: This controller provides registration, RSVP begin and finish methods and its corresponding Twitter methods. These methods should be authorized for members only and should update the RSVPs in the database corresponding to the rides. Open authentication may be used for the same.
4. RidesController: This controller provides the list of rides and their associated create, update and delete functionality.
5. AccountController: This controller provides Logon and Logoff functionality for members to utilize the services provided to them.

ExceptionHandling: Exception handling is proposed with attribute decorations on Controller methods such as [HandleError] or [HandleErrorWithELMAH]