**Activity:**

* **reservation**:   
  + **method:** reservation.facility\_search(); processes **date\_time**

| **fields** | |
| --- | --- |
| **date\_time** | **JSON**  **defaults**: sys.date()  A list of available date, time and appropriate interval is received from the DB as a JSON. Passed to the method: reservation.reserve\_date(*params*) upon selection of a facility. |

* + **method**: reservation.reserve\_date(*params*)

| **parameters** | |
| --- | --- |
| **date\_time** | **JSON  default:**sys.date()  **outdoor:**Only limited to the current week(Or 7 days from the sys.date ?). limiting to just two dates. - [getDatePicke()](http://developer.android.com/reference/android/app/DatePickerDialog.html" \l "getDatePicker()) and set its bounds using:[setMinDate(long minDate](http://developer.android.com/reference/android/widget/DatePicker.html" \l "setMinDate(long))) and [setMaxDate(long maxDate)](http://developer.android.com/reference/android/widget/DatePicker.html" \l "setMaxDate(long))  **indoor**: Only limited to the current day and the next day. limiting to just two dates. - [getDatePicker()](http://developer.android.com/reference/android/app/DatePickerDialog.html" \l "getDatePicker()) and set its bounds using:[setMinDate(long minDate](http://developer.android.com/reference/android/widget/DatePicker.html" \l "setMinDate(long))) and [setMaxDate(long maxDate)](http://developer.android.com/reference/android/widget/DatePicker.html" \l "setMaxDate(long)) |

* + **method**: reservation.reserve\_time(*params*)

| **parameters** | |
| --- | --- |
| **date\_time** | **JSON**  populates the spinner with the available time from the JSON passed from reservation.facility\_search() |

* **login**:   
  + **method:** login.register\_profile();

| **fields** | |
| --- | --- |
| **user\_data** | **string/JSON**  takes the details from the user. Ideally should take all the details using an Oauth call to Outlook, connecting via mavID. |
| **user\_role** | **enum**  **default**: User  select the user role you want to register as.  This activity does a DB transaction to check if the user\_data with the user\_role is present or not ( to allow multiple user role creation) |

* + **method:** login.create\_profile(params);

| **parameters** | |
| --- | --- |
| user\_data | **JSON**  **defaults**: sys.date()  A list of available date, time and appropriate interval is received from the DB as a JSON. Passed to the method: reservation.reserve\_date(*params*) upon selection of a facility. |
| user\_role | **string**  immutable. Passed from login.register\_profile() |