Servlet - API

On invoking a servlet, the method (GET/POST) of a servlet returns a single JSON object containing the following fields :

status   :   "true" on success, or "false" on error

message :   string with error message; present only in case of error.

data   :   json array or object containing result of servlet invocation; present only in case of success.

Servlet name : login

Parameters   : id, password

Method   : POST

Returns   : json object with attributes :

status   :   "true" on success, or "false" on error

   message :   string with error message; present only in case of error.

   data   :   json object with attribute id, containing the authenticated id

----

Servlet name : register

Parameters   : id

Method   : POST

Returns   : json object with attributes :

status   :   "true" on success, or "false" on error

message :   string with error message; present only in case of error.

   data   :   json array of objects, each object containing attributes
                   course_id, sec_id, title, dept_name, credits
                   listing the courses taken by student with ID id in current year/semester.

Servlet name : AddDelete

Parameters   : id, requestType ("add"/"delete"), course_id, sec_id

Method   : POST

Returns   : json object with attributes :

status   :   "true" on success, or "false" on error

   message :   string with error message; present only in case of error.

   data   :   json array of objects, each object containing attributes
               course_id, sec_id, title, dept_name, credits
                   i.e. updated list of courses taken by student with ID id in current year/semester
                   (after adding or deleting the course with given course_id and sec_id).

Servlet name : courses
Parameters   : id
Method   : POST
Returns   : json object with attributes :
status   :   "true" on success, or "false" on error
     message :   string with error message; present only in case of error
    data :   json array of objects, each object containing attributes
                course_id, sec_id, title, dept_name, credits
          listing the courses not taken by student with ID id but are being offered in
          current year/semester. This list can be used for implementing autocomplete feature.

Servlet name : browseCourses
Parameters   : _
Method   : GET
Returns   : json object with attributes :
   status :   "true" on success, or "false" on error
   message :   string with error message; present only in case of error.
     data: json array of objects, each object with attribute dept_name
          List of departments to browse courses in a particular dept.

Servlet name : browseCourses
Parameters   : dept (department chosen while browsing courses)
Method   : POST
Returns   : json object with attributes :
   status: "true" on success, or "false" on error
   message :   string with error message; present only in case of error.
   data   :   json array of objects, each object with attribute dept_name
          List of departments to browse courses in a particular dept.
   datanext :   json array of objects, each object containing attributes
              course_id, sec_id, title, credits
          listing the courses not taken by student with ID id but are being offered by the department
          dept in current year/semester.