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| --- | --- | --- | --- | --- |
| **URL** | **Purpose** | **Type** | **Input** | **Returns** |
| /courses | Get all courses in DB | POST | N/A | [{"courseId":"1","courseCode":"COMP 248","semester":"Fall","description":"Introduction to programming. Basic data types, variables, expressions, assignments, control flow. Classes, objects, methods.","name":"Object-Oriented Programming I","credits":"3}]  //goes on forever |
| /sections | Get all sections for all courses in DB | POST | N/A | “” |
| /sectioncourse | Get all section in DB for the specified course | POST | courseID | “” |
| /userprefs | Get preferences for a user | POST | username | {"success":"true","username":"SprinkKing","courseload":"4","dayoff":"Monday","preferredTime":"Afternoons"} |
| /needed | Get needed courses for a user | POST | username | String that will be parsed  {"List":[{"name":"oop", "number":"248"},{"name":"oop2", "number":"249"}]} |
| /taken | Get taken courses for a user | POST | username | String that will be parsed  {"List":[{"name":"oop", "number":"248"},{"name":"oop2", "number":"249"}]} |
| /scheduler | Generate schedule | POST | username |  |
| /addadmincourse | Add a course to the DB | POST | //$json='{"section":"UI-X","sectionId":"1","classroom":"H-4","semester":"Winter","type":"Lab","dayOffered":"5","beginTime":"13:35:00","endTime":"14:35:00","courseId":"2","courseCode":"COMP 248","sectionNum":"1"}'; | False: if course with that id already exists  True: otherwise |
| /addadminsection | Add a section to the DB | POST | //$json='{"section":"UI-X","sectionId":"1","classroom":"H-4","semester":"Winter","type":"Lab","dayOffered":"5","beginTime":"13:35:00","endTime":"14:35:00","courseId":"2","courseCode":"COMP 248","sectionNum":"1"}'; | False: if section with that id already exists  True: otherwise |
| /removeadmincourse | Remove a course from the DB | POST | //$courseId=$\_POST['courseId']; //course id | N/A |
| /removeadminsection | Remove a section from the DB | POST | //$sectionId=$\_POST['sectionId']; //section id | N/A |
| /editcourse | Edit course information | POST | //$json='{"courseId":"1","courseCode":"COMP 248","semester":"Fall","description":" Critical amount of salt atteined","name":"Object-Oriented Programming I","credits":"3"}'; | N/A |
| /editsection | Edit section information | POST | //$json='{"section":"UI-X","sectionId":"1","classroom":"H-905","semester":"Winter","type":"Lab","dayOffered":"5","beginTime":"13:35:00","endTime":"14:35:00","courseId":"2","courseCode":"COMP 248","sectionNum":"1"}'; | N/A |
| /editpreferences | Edit user’s preferences | POST | {username:’’,cload:'',dayoff:'',preftime:''}} | {"success":"true","username":"JasonB","courseload":"5","dayoff":"Monday","preftime":"Mornings"} |
| /editneededcourses | Edit user’s needed courses | POST | {username:’’, json: '{"List":[{"name":"oop", "number":"248"},{"name":"oop2", "number":"249"}]}'} | N/A |
| /edittakencourses | Edit user’s taken courses | POST | {username:’’, json: '{"List":[{"name":"oop", "number":"248"},{"name":"oop2", "number":"249"}]}'} | N/A |
| /editusername | Change username for user | POST | {old:’’, new:’’} | False: new username exists already  True: otherwise  Now : result"=>"true","username"=>"$new") |
| /editemail | Change e-mail for user | POST | {old:’username’, new:’email’} | ("success"=>"true","username"=>"$old","email"=>"$new")  False: userna |
| /editpassword | Change password for user | POST | {old:’username’, new:’password’} | "success"=>"true","password"=>"$new")); |
| /email | Get user’s email | POST | username | E-mail as a String  Now: "result":"good","username":"JasonB","email":"newEnail@email.com"} |
| /login | Login verification | POST | {username:’’, password:’’} | {success:bool, isAdmin:bool}  Now: {"success":"true","username":"JASONB","isAdmin":"true"} |
| /register | Register user | POST | {username:’’, email:’’, password:’’} | False: username exists already  True: otherwise  Now : {"success":"false","username":"SprinkKing","error":"usernametakenalready"} |
| /forgot | Send the user an email with a code they can enter to change their password | POST | {username: ‘’} | {success:’true’} |
| /forgotpass | Setting a new password after entering the code sent from the email in the previous call | POST | {username:’’, code:’’, password:’’} | {success:’true’} |