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| **Description** | **Method + Path**  **(path is always /api.php)** | **Request/Response** |
| *Check login status (is a administrator logged in or not)* | *GET* | ***Request*** *{****ctrl****: login }*  ***Response {***  *"loginStatus":"no one logged in"*  *}*  *Or*  ***Response {***  *"loginStatus":"user logged in"*  *}* |
| *Login (send admin email & password to server)*  *If login successful admin object*  *Of administrator who logged in returned- else message returned that no such admin exists* | *GET* | ***Request*** *{*  ***ctrl:*** *login*  ***userEmail:*** [*judithguttmann@gmail.com*](mailto:judithguttmann@gmail.com)*,*  ***userPassword:*** *wedding5771,*  *}*  ***Response*** *(login successful)* ***{***  *"loginStatus":"admin found",*  *"****adminDetails****":*  *{"****adminID****":2,*  *"****adminName****":"Judy”,*  *"****roleID****":4,*  *"****roleName****":"owner",*  *"****adminPhone****":"0527156769",*  *"****adminEmail****":*[*judithguttmann@gmail.com*](mailto:judithguttmann@gmail.com)*}*  *}*  ***Response*** *(login unsuccessful)* ***{***  *"****loginStatus****":*  *"no administrator with this email and password found"*  *}* |
| *Logout – delete admin session object of server* | *DELETE* | ***Request*** *{****ctrl****: login }*  ***Response****{*  *"loginStatus":"no one logged in"*  ***}*** |
| *Get all admin roles – used to fill combo box on admin update panel* | *GET* | ***Request*** *{****ctrl****: role}*  ***Response {***  *[{"roleID":5,"roleName":"manager"},*  *{"roleID":4,"roleName":"owner"},*  *{"roleID":6,"roleName":"sales"}]*  *}* |
| *Get admin by name and email –used for remote validation on client to ensure no other admin with same name and email already exists*  *adminID: -1 no such admin found*  *adminID: <> -1 such admin found* | *GET* | ***Request****{*  ***ctrl:*** *administrator,*  ***adminName:*** *judy,*  ***adminEmail:****judithguttmann@gmail.com*  *}*  ***Response {***  *{"status":"ok",*  *"adminID":-1}*  *}*  ***Response*** *(no session variable on server - user no longer logged in)* ***{***  *{"status":"no longer logged in",*  *"action":"GET administrator"}*  *}* |
| *Get all administrators* | *GET* | ***Request****{*  ***ctrl:*** *administrator*  *}*  ***Response {***  *[{"****adminID****":2,*  *"****adminName****":"judy",*  *"****roleID****":4,*  *"****roleName****":"owner",*  *"****adminPhone****":"0527156769",*  *"****adminEmail****":"a@gmail.com"},*  *{"****adminID****":3,*  *"****adminName****":"Chaim",*  *"****roleID****":5,*  *"****roleName****":"manager",*  *"****adminPhone****":"0559888705*  *“****adminEmail****":"b@gmail.com} ... ]*  *}* |
| *Create new Admin*  *duplicateAdmin & adminImageSize*  *are used for client validations (they are NOT required on the server)*  *They can be found in Request because they are in form and whole form is serialized with the*  *$("#frmCUD").serialize();*  *Statement.* | *POST* | ***Request****{*  ***ctrl:*** *administrator,*  ***adminID****: 0,*  ***roleName****: sales,*  ***roleID****: 6,*  ***duplicateAdmin****: ,*  ***adminName****: meir,*  ***adminPhone****: 12345,*  ***adminEmail****:* [*c@gmail.com*](mailto:c@gmail.com)*,*  ***adminPassword****: gunibush,*  ***adminImageSize****: ,*  ***adminImage****: ; filename="001.JPG"*  *}*  ***Response*** *{*  *"status":"ok",*  *"action":"Create administrator",*  *"message":" administrator added successfully",*  *"new\_adminID":11*  *}* |
| *Update Admin*  *duplicateAdmin & adminImageSize*  *are used for client validations (they are NOT required on the server)*  *They can be found in Request because they are in form and whole form is serialized with the*  *$("#frmCUD").serialize();*  *Statement.* | *PUT* | ***Request****{*  ***ctrl:*** *administrator,*  ***adminID****: 2,*  ***roleName****: manager,*  ***roleID****: 5,*  ***duplicateAdmin****: ,*  ***adminName****: meir ilson,*  ***adminPhone****: 12345,*  ***adminEmail****:* [*c@gmail.com*](mailto:c@gmail.com)*,*  ***adminImageSize****: ,*  *}*  ***Response*** *{*  *"status":"ok",*  *"action":" Update administrator",*  *"message":" administrator updated successfully"*  *}* |
| *Delete Admin* | *DELETE* | ***Request****{*  ***ctrl:*** *administrator,*  ***adminID****: 2*  *}*  ***Response*** *{*  *"status":"ok",*  *"action":" Delete administrator",*  *"message":" administrator deleted successfully"*  *}* |
| *Get course by name – used for remote validation on client to ensure no other course with same already exists*  *courseID: -1 no such course found*  *courseID: <> -1 such course found* | *GET* | ***Request****{*  ***ctrl:*** *course,*  ***courseName****:* *c#*  *}*  ***Response {***  *{"status":"ok",*  *" courseID":-1}*  *}*  ***Response*** *(no session variable on server - user no longer logged in)* ***{***  *{"status":"no longer logged in",*  *"action":"GET course"}*  *}* |
| *Get all courses* | *GET* | ***Request****{*  ***ctrl:*** *course*  *}*  ***Response {***  *[{"courseID":5,*  *"courseName":"babysitting",*  *"courseDescription":"earn extra money",*  *"numberOfStudentsForCourse":7,*  *"studentIDs":"16,1,4,15,14,5,3"},*  *{"courseID":3,*  *"courseName":"c#",*  *"courseDescription":"learn to program- fast",*  *"numberOfStudentsForCourse":8,*  *"studentIDs":"16,1,2,4,8,15,14,7"} … ]*  *}* |
| *Create new Course*  *duplicateCourse & courseImageSize*  *are used for client validations (they are NOT required on the server)*  *They can be found in Request because they are in form and whole form is serialized with the*  *$("#frmCUD").serialize();*  *Statement.* | *POST* | ***Request****{*  ***ctrl:*** *course,*  ***courseID****: 0,*  ***duplicateCourse****:,*  ***courseName****: karate,*  ***courseDescription****: defend yourself,*  ***courseImageSize****:,*  ***courseImage****: ; filename="002.JPG"*  *}*  ***Response*** *{*  *"status":"ok",*  *"action":"Create course",*  *"message":" course added successfully",*  *"new\_courseID":15*  *}* |
| *Update Course*  *duplicateCourse & courseImageSize*  *are used for client validations (they are NOT required on the server)*  *They can be found in Request because they are in form and whole form is serialized with the*  *$("#frmCUD").serialize();*  *Statement.* | *PUT* | ***Request****{*  ***ctrl:*** *course,*  ***courseID****: 3,*  ***duplicateCourse****:,*  ***courseName****: c# - beginners,*  ***courseDescription****: learn to program- fast,*  ***courseImageSize****:*  *}*  ***Response*** *{*  *"status":"ok",*  *"action":" Update course",*  *"message":" course updated successfully"*  *}* |
| *Delete Course* | *DELETE* | ***Request****{*  ***ctrl:*** *course,*  ***courseID****: 3*  *}*  ***Response*** *{*  *"status":"ok",*  *"action":" Delete course ",*  *"message":" course deleted successfully"*  *}* |
| *Get student by name, phone & mail – used for remote validation on client to ensure no other student with same name, phone & mail already exists*  *studentID: -1 no such student found*  *studentID: <> -1 such student found* | *GET* | ***Request****{*  ***ctrl:*** *student,*  ***studentName****:* *Efraim Frei,*  ***studentPhone:*** *052 715 6769****,***  ***studentEmail:*** *judy@gmail.com*  *}*  ***Response {***  *{"status":"ok",*  *" studentID":17}*  *}*  ***Response*** *(no session variable on server - user no longer logged in)* ***{***  *{"status":"no longer logged in",*  *"action":"GET student"}*  *}* |
| *Get all students* | *GET* | ***Request****{*  ***ctrl:*** *student*  *}*  ***Response {***  *[{"studentID":7,*  *"studentName":"Ming-Yang Xie",*  *"studentPhone":"02 - 651 3568",*  *"studentEmail":"judithguttmann@gmail.com",*  *"studentCourses":"cbCourse1,cbCourse2"},*  *{"studentID":3,*  *"studentName":"Thomas Axen”,*  *"studentPhone":"559888705",*  *"studentEmail":"judithguttmann@gmail.com",*  *"studentCourses":"cbCourse2,cbCourse4,cbCourse5"} … ]*  *}* |
| *Create new Student*  *duplicateStudent & studentImageSize*  *are used for client validations (they are NOT required on the server)*  *They can be found in Request because they are in form and whole form is serialized with the*  *$("#frmCUD").serialize();*  *Statement.* | *POST* | ***Request****{*  ***ctrl:*** *student,*  ***studentID****: 0,*  ***duplicateStudent****:,*  ***studentName****: Shimi Bloch,*  ***studentPhone****: 09 – 835 9029,*  ***studentEmail****:* [*judy@gmail.com*](mailto:judy@gmail.com)*,*  ***studentImageSize****:,*  ***studentImage****: ; filename="013.JPG"*  *}*  ***Response*** *{*  *"status":"ok",*  *"action":"Create student ",*  *"message":" student added successfully",*  *"new\_studentID":15*  *}* |
| *Update Student*  *duplicateStudent & studentImageSize*  *are used for client validations (they are NOT required on the server)*  *They can be found in Request because they are in form and whole form is serialized with the*  *$("#frmCUD").serialize();*  *Statement.* | *PUT* | ***Request****{*  ***ctrl:*** *student,*  ***studentID****: 19,*  ***duplicateStudent****:,*  ***studentName****: Shimi Bloch,*  ***studentPhone****: 09 – 835 9029 grandma’s phone,*  ***studentEmail****:* [*judy@gmail.com*](mailto:judy@gmail.com)*,*  ***studentImageSize****:*  *}*  ***Response*** *{*  *"status":"ok",*  *"action":"Update student ",*  *"message":" student updated successfully"*  *}* |
| *Delete Student* | *DELETE* | ***Request****{*  ***ctrl:*** *student,*  ***studentID****: 3*  *}*  ***Response*** *{*  *"status":"ok",*  *"action":" Delete student",*  *"message":" student deleted successfully"*  *}* |