#### LoginController

***Class Methods***

|  |  |  |
| --- | --- | --- |
| **No** | **Method** | **Description** |
| *1* | *doGet()* | *Handles the HTTP <code>GET</code> method.* |
| *2* | *doPost()* | *Handles the HTTP <code>POST</code> method.* |

#### UserDAO

***Class Methods***

|  |  |  |
| --- | --- | --- |
| **No** | **Method** | **Description** |
| *1* | *getUser()* | *Method used to check if an account record existed in database and get all data of that account.Inputs are username and password.Return an <Code>model.User</Code> represents the user’s data* |

#### DBContext

***Class Methods***

|  |  |  |
| --- | --- | --- |
| **No** | **Method** | **Description** |
| *1* | *getConnection* | *Method used to connect to the database. Return a <Code>java.sql.Connection</Code> represents a connection to the database.* |

"Select \* from [User] where (username=? OR email=?) AND password=?"

#### ADprofile

***Class Methods***

|  |  |  |
| --- | --- | --- |
| **No** | **Method** | **Description** |
| *1* | *doGet()* | *Handles the HTTP <code>GET</code> method.* |
| *2* | *doPost()* | *Handles the HTTP <code>POST</code> method.* |

#### UserDAO

***Class Methods***

|  |  |  |
| --- | --- | --- |
| **No** | **Method** | **Description** |
| *1* | *getUser()* | *Method used to check if an account record existed in database and get all data of that account.Inputs are username and password.Return an <Code>model.User</Code> represents the user’s data* |

#### DBContext

***Class Methods***

|  |  |  |
| --- | --- | --- |
| **No** | **Method** | **Description** |
| *1* | *getConnection* | *Method used to connect to the database. Return a <Code>java.sql.Connection</Code> represents a connection to the database.* |

"Select \* from [User] where (username=? OR email=?) AND password=?"

#### EditAD

***Class Methods***

|  |  |  |
| --- | --- | --- |
| **No** | **Method** | **Description** |
| *1* | *doGet()* | *Handles the HTTP <code>GET</code> method.* |
| *2* | *doPost()* | *Handles the HTTP <code>POST</code> method.* |

#### UserDAO

***Class Methods***

|  |  |  |
| --- | --- | --- |
| **No** | **Method** | **Description** |
| *1* | *editProfile()* | *Method used to let admin update the data of that account.Inputs are admin details.Update those to database.* |

#### DBContext

***Class Methods***

|  |  |  |
| --- | --- | --- |
| **No** | **Method** | **Description** |
| *1* | *getConnection* | *Method used to connect to the database. Return a <Code>java.sql.Connection</Code> represents a connection to the database.* |

"update [User] set "

+ " [fullname] = N'" + name+ "' AND"

+ " [gender] = " + (gender.equals("male") ? 1 : 0) + " AND"

+ " [dob] = N'" + dob + "' AND"

+ " [phone] = N'" + phone + "' AND"

+ " [address] = N'"+ address+"'"

+ "where [id] = "+userid;