We have developed a plugin for online portal. It includes two files. Following is technical details of that.

We have developed ci controller and a model. Please install them accordingly. Controller has two public functions and few private supporting functions. Once controller is constructed it will call the model and create a separate table. Note that we do not interfere or refer any other table which is given in code. Controller will then initialize script url (please update this accordingly). There are two private functions that need your attention.

*        \_validate\_user\_with\_username\_password
*        \_login\_user

*        \_validate\_user\_with\_username\_passwor

Params : $username, $password, &$error

Return : bool (true, false)

This function is intended to validate user with username and password. Please validate these fields properly and then use uses table to find the use with given username. If user is found check the given password. Note $error parameter is passed by reference. Please assign proper user friendly error messages. Ex: User not found, Username or password invalid... this function should return Boolean value either true or false.

*        \_login\_user

         Params : $username, &$error

         Return : bool (true, false)

                  This function intend to log the user in to the system. please validate the user against user table. First find the user with given username and if user is found log the user in to the system. populate necessary sessions. note this function also has $error parameter passed by reference. Please assign user friendly error massages. Ex User not found, Invalid or Expired link... this function should return Boolean value either true or false.

      Apart from above functions there are following private functions

* private
  + \_validate\_user ($username, $key, &$error) bool
  + \_generate\_key() string
  + \_login\_user ($username, &$error) bool
  + response ($data = array(), $code = 200) void (jaon)
* public
  + TryLogin ($username, $password) void (json)
  + Login ($username, $key) void

Plugin will receive POST ajax call with username and password. It will process that ajax call and forwards that to the \_validate\_user\_with\_username\_password method to validate the user. If method return true plugin will continue to \_generate\_key method to get a key and will create a record in plugin table and plugin will return json response with a link containing a generated key.

 Once user followed that link user will reach the Login function. This function will get the link from url and username. Plugin will forward \_validate\_user function to validate user details stored in plugin table and if user is found and link is valid plugin will forward to \_login\_user function to log the user in. if success function will redirect user to admin dashboard / home page, Or else will redirect to login page.

This plugin contains two safety measures $\_squrityKey private member will use to generate key. You can change this one time. Each time user tried to login link will get expire. These expired links will be removed after some time. Please refer to \_\_construct(). You can reduce the life time of link, currently links will be removed after 3 months. Ex. You can reduce this to 1 hour to enhance the security.

Please contact us if you need any clarifications regarding this plugin.