Mid project

Create tasks web application for multiple users,

The system would give the user an option to register, login, and manage his tasks.

Technologies/frameworks:

1. AngularJs

2. PHP + Apache

3. bootstrap

the system would have the next tables:

Users

u\_id - PK AI NN

u\_first - VARCHAR(45)

u\_last - VARCHAR(45)

u\_email - VARCHAR(255)

u\_gender - ENUM("male","female")

u\_registration\_data - TIMESTAMP DEFAULT CURRENT\_TIMESTAMP

u\_last\_login\_date - DATETIME

u\_password - VARCHAR(45)

u\_role - ENUM("ADMIN","USER")

Tasks

t\_id - PK AI NN

u\_id - INT #task owner id from table users

t\_creation\_date DATETIME

t\_subject VARCHAR(255)

t\_due\_date DATETIME #task due date

t\_done TINYINT(1) #is task done already

lb\_id – INT # label from labels

t\_archived - TINYINT(1) #is task archived,

Labels:

lb\_id: PK AI NN

u\_id: INT #label owner id

lb\_name: VARCHAR(45) #label name

Screens:

TOP Menu for not logged in users:

**Login | Register** # default is login

TOP Menu for logged in users

**Tasks | Labels | logout** # default is Tasks

* Admin will have **Users** menu as well

1. Login screen **#/login**
   1. Login by email and password
   2. After login:   
      Create login session, and update `**u\_last\_login\_date**` in the DB.
      1. Normal user will be redirected to **#/tasks**
      2. Admin users will be redirected to **#/users**
2. Registration screen
   1. Registration screen will have the next fields:
      1. First (text, required)
      2. Last (text, required)
      3. Email (required, valid email)
      4. Gender (DropDown)
      5. Password (password, required, min-length 6 chars)

Please validate all the fields accordingly and set the right validation message on error. Set Bootstrap error class in the right field.  
On success redirect the user to ‘**#/login**’

1. Tasks management screen ‘**#/tasks**’

Only logged in users can see this screen, the screen will show them tasks that belongs to them only.

* 1. Add form:
     1. Task subject (text field, required)
     2. Task overdue (calendar, default date: today)  
        user some custom angular datepicker, there is recommended one in the help articles
     3. Label (drop down from labels)
  2. Tasks list
     1. Show list of not archived tasks
     2. Overdue tasks must been paint in red
     3. Done tasks should be decorated with cross line
     4. Let the user filter the tasks by label

[ check box] – {{task subject }} , {{task due date}} [archive, btn]

1. Labels management screen ‘**#/labels**’

Only logged in users can see this screen, the screen will show them labels that belongs to them only.

Please implement full crud for this screen

**List Screen - #/labels**  
[Add label Btn]

|  |  |
| --- | --- |
| Label | Actions |
| Demo label | Edit, Delete |

**Form Screen - #/labels/Form**

* Show label name and submit button

1. Labels management screen ‘**#/users/`**

Only logged in **Admin** users can see this screen, here the admin would be able to manage the users

Please implement full crud for this screen.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Id** | **First** | **Last** | **Email** | **Role** | **Last login** | **Actions** |
| 1 | Kipi | Kipod | [kipi@demo.com](mailto:kipi@demo.com) | ADMIN | 12/06/2015 12:22:34 | Edit\Delete |
| 2 | Zipi | Bird | [zipi@demo.com](mailto:zipi@demo.com) | USER | 12/06/2015 12:22:34 | Edit\Delete |

**Edit Form** ‘**#/users/form**’ will contain the next fields

* First
* Last
* Email
* Role (dropDown)
* Password (admin can reset password for users)

**Bonus points:**

using salt+sha1 for the password would give you - **5 bonus points**

using PHP framework like CodeIgniter Or Slim will give you additional **10 points**

**(The maximum score is 100)**

**Help articles:**

**Angular datepicker -** [**https://material.angularjs.org/latest/demo/datepicker**](https://material.angularjs.org/latest/demo/datepicker)

**angular redirect -** [**http://stackoverflow.com/a/11908282/2992810**](http://stackoverflow.com/a/11908282/2992810)

**angular & bootstrap errors combined -** <http://blog.yodersolutions.com/bootstrap-form-validation-done-right-in-angularjs/>

**Have a great coding!**