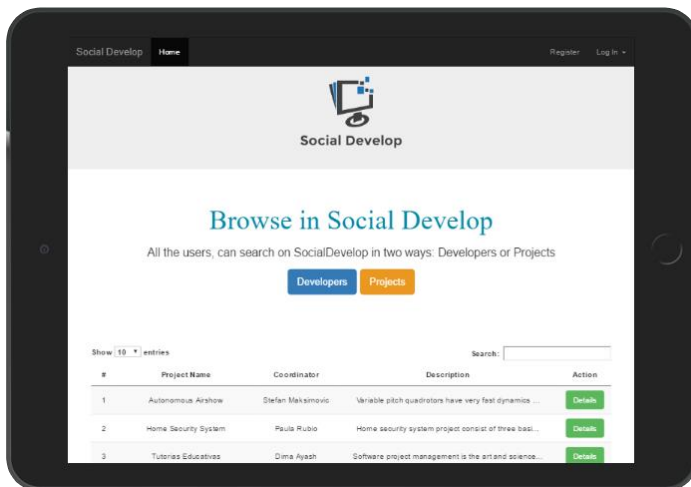




SOCIALDEVELOP

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13 DE DICIEMBRE DE 2016
UNIVERSITY OF L'AQUILA
WEB ENGINEERING PROJECT

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1. Description

Social Develop has been developed with SPRING Framework version 3.1, because we can write clean, testable code against the infrastructure components, keep it portable, and code with confidence because Spring provides an open programming model that is comprehensive, cohesive, widely understood and well-supported¹.

So we are talking about MVC framework.

All the views extend of a file called “layout.jsp”, it has the following structure.

```
<%@page contentType="text/html" pageEncoding="UTF-8"%>
<%@taglib prefix="c" uri="http://java.sun.com/jsp/jstl/core"%>
<c:set var="contextPath" value="${pageContext.request.contextPath}"/>
<%@ taglib uri="http://tiles.apache.org/tags-tiles" prefix="tiles"%>
<!DOCTYPE html>
<html <c:if test="${init != null and init == 'home'}">ng-app="app"</c:if>>
  <head>
    <tiles:insertAttribute name="stylesheet" />
    <title><tiles:insertAttribute name="title" /></title>
    <tiles:insertAttribute name="scriptjs" />
  </head>

  <body <c:if test="${init != null and init == 'home'}">ng-controller="AppController"</c:if>>
    <tiles:insertAttribute name="nav" />

    <tiles:insertAttribute name="header" />

    <tiles:insertAttribute name="body" />

    <tiles:insertAttribute name="footer" />
  </body>
</html>
```

Figure 1. Layout.jsp

In that sense we just have a nav, header and footer, and the unique thing that changes at any view will be the body that is good way for programming because allow an easier code maintainability.

The code structure is clear as well.

¹ <https://spring.io/>

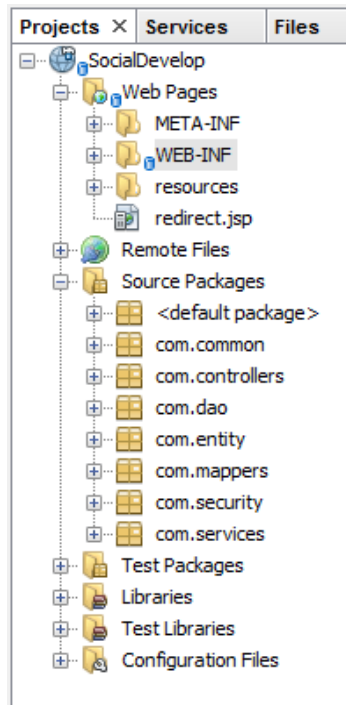


Figure 2. Code structure

It is possible to see MVC component in the code structure, we have the folder “Web Pages” for the Front end and “Source Packages” for the Back end, and we can see how are conformed the Model and the Controller, in “Web-INF” we have all the views.

In the figure 3 we can see how is conformed a body of a view and the respective validation.

```

6  <%%taglib prefix="c" uri="http://java.sun.com/jsp/jstl/core"%>
7  <c:set var="contextPath" value="${pageContext.request.contextPath}"/>
8
9  <br>
10 <div class="container">
11   <section>
12     <div class="row" style="text-align: center">
13       <h1 class="register">REGISTER NOW</h1>
14     </div>
15     <br>
16     <div class="row">
17       <div class="col-md-12">
18         <form class="form-horizontal" role="form" id="form_register" method="POST" action="${contextPath}/auth/register" enctype="multipart/form-data">
19
20           <div class="form-group">
21             <label for="NAME_USER" class="col-sm-2 col-sm-offset-2 control-label">
22               NAME:
23             </label>
24             <div class="col-sm-4">
25               <input type="text" class="form-control" id="NAME_USER" name="NAME_USER" placeholder="name"/>
26             </div>
27           </div>
28           <div class="form-group">
29             <label for="SURNAME" class="col-sm-2 col-sm-offset-2 control-label">
30               SURNAME:
31             </label>
32             <div class="col-sm-4">
33               <input type="text" class="form-control" id="SURNAME" name="SURNAME" data-required placeholder="surname"/>
34             </div>
35           </div>

```

Figure 3. Body of - register.jsp

```

1  function jsRegister() {
2      $('#NAME_USER').mask('AAAAAAAAAAAAAAAAAAAA', {translation': {
3          A: {pattern: /[A-Za-z ]/}
4      }
5  });
6      $('#SURNAME').mask('AAAAAAAAAAAAAAAAAAAA', {translation': {
7          A: {pattern: /[A-Za-z ]/}
8      }
9  });
10
11     $('#PHONE').mask('000000000000');
12     $('#DOB').mask('0000/00/00', {placeholder: "____/____/____"});
13
14     $("#form_register").validate({
15         rules: {
16             NAME_USER: {
17                 required: true,
18                 minlength: 3
19             },
20             SURNAME: {
21                 required: true,
22                 minlength: 3
23             },
24             DOB: {
25                 required: true,
26                 dateISO: true,
27                 datePermit: true
28             },
29             PHONE: {
30                 required: true,
31                 minlength: 10
32             },
33             EMAIL: {
34                 required: true,
35                 email: true,

```

Figure 3. Validation file – JsRegister ().

We can see that our view we have only the body of them and each element has an id, that allow us give them toward a .js a validation, all the restriction that we have in the client side are assumption that we establish for all the field in the database.

Figure 4. Register view

But, what happened when we click in register and all the data are going to the controller.

```

110 @RequestMapping(value = "/register", method = RequestMethod.POST)
111 public String addUser(@RequestParam("NAME_USER") String NAME_USER,
112                      @RequestParam("SURNAME") String SURNAME,
113                      @RequestParam("DOB") String DOB,
114                      @RequestParam("SEX") String SEX,
115                      @RequestParam("PHONE") String PHONE,
116                      @RequestParam("EMAIL") String EMAIL,
117                      @RequestParam("PASSWORD") String PASSWORD,
118                      @RequestParam("CURRICULUM") MultipartFile file,
119                      ModelMap model) {
120
121     model.put("file", "Register");
122     model.put("menu", "register");
123     model.put("init", "home");
124
125     StringBuilder pathCurrent = new StringBuilder(request.getServletContext().getRealPath("/"));
126     pathCurrent.delete(pathCurrent.length() - 10, pathCurrent.length());
127     pathCurrent.append("web/resources/curriculums/");
128     if (!file.isEmpty()) {
129
130         try {
131             String CURRICULUM = file.getOriginalFilename();
132             File f = new File(pathCurrent.toString(), CURRICULUM);
133             if (f.exists()) {
134                 Calendar calendario = Calendar.getInstance();
135                 int anio = calendario.get(Calendar.YEAR),
136                 mes = calendario.get(Calendar.MONTH),
137                 dia = calendario.get(Calendar.DAY_OF_MONTH),

```

Figure 5. Method register in the controller - 1

When we have all the data they need to be inside in a try and catch in case of any problem with the file of the curriculum, because the file is mandatory and the validation has to be in the server side, after that all the controller request to a service for communicate with the model.

```
156     usr.setPassword(encryptPass(PASSWORD));
157     usr.setCURRICULUM(CURRICULUM);
158
159     TaskResult result = serv_user.getCurrentUser(usr.getEmail());
160
161     if (result.isSuccess()) {
162         if (result.getResultado() == null) {
163             TaskResult result2 = serv_user.addUser(usr);
164             if (result2.isSuccess()) {
165                 model.put("success", "Successfully registered");
166             } else {
167                 model.put("error", result2.getMensaje());
168             }
169         } else {
170             model.put("error", "Error: Mail already exists.");
171         }
172     } else {
173         model.put("error", result.getMensaje());
174     }
175
176     return "Register-page";
177 } catch (Exception ex) {
178     model.put("error", "Error: You failed to upload " + ex.getMessage());
179 }
180 } else {
181     model.put("error", "Error: You failed to upload curriculum because the file was empty");
182 }
183
184 return "Register-page";
185 }
```

Figure 6. Method register in the controller – 2

After we create the object user with all the data arriving from the view, we use a service (see in the line 163), addUser.

In the figure 7 we can see what that service does.

```
23 public class UserService implements UserDao{
24
25     @Autowired
26     UserMapper mapper;
27
28     public TaskResult<Integer> addUser(User usr) {
29         try{
30             return TaskResult.FromResult(mapper.addUser(usr));
31         }catch(DataAccessException ex){
32             Logger.getLogger(UserService.class.getName()).log(Level.ERROR, "Failed add user. "+ ex);
33             return TaskResult.Failed("Failed add user. "+ex.getMessage());
34         }
35         catch(Exception e){
36             Logger.getLogger(UserService.class.getName()).log(Level.ERROR, "Failed add user. "+ e);
37             return TaskResult.Failed("Failed add user. "+e.getMessage());
38         }
39     }
}
```

Figure 7. AddUser service – 2

The service allow the communication between the controller and the model and the validation if any problem happen then will return to the controller if the request is right an integer otherwise will return a message with the exception that the model return.

We use a mapper addUser (see in the line 30), in the figure 8 we see how is conformed.

```
22 public interface UserMapper {
23
24     @Insert("INSERT INTO user(ID_USER, NAME_USER, SURNAME, DOB, SEX, PHONE, EMAIL, PASSWORD, CURRICULUM) VALUES ({ID_USER},{NAME_USER},{SURNAME},{DOB}
25     public Integer addUser(User usr)throws DataAccessException;
26
27     @Select("SELECT * FROM user WHERE EMAIL = #{email} AND STATE='1' ")
28     @Results(value = {
29         @Result (property = "ID_USER" , column = "ID_USER"),
30         @Result (property = "NAME_USER" , column = "NAME_USER"),
31         @Result (property = "SURNAME" , column = "SURNAME"),
32         @Result (property = "DOB" , column = "DOB"),
33         @Result (property = "SEX" , column = "SEX"),
34         @Result (property = "PHONE" , column = "PHONE"),
35         @Result (property = "EMAIL" , column = "EMAIL"),
36         @Result (property = "PASSWORD" , column = "PASSWORD"),
37         @Result (property = "CURRICULUM" , column = "CURRICULUM"),
38         @Result (property = "USER_TYPE" , column = "USER_TYPE")
39     })
40     public User getCurrentUser(String email)throws DataAccessException;
41
42     @Select("SELECT * FROM user WHERE ID_USER = #{ID_USER} AND STATE='1' ")
43     @Results(value = {
44         @Result (property = "ID_USER" , column = "ID_USER"),
45         @Result (property = "NAME_USER" , column = "NAME_USER"),
46         @Result (property = "SURNAME" , column = "SURNAME"),
47         @Result (property = "DOB" , column = "DOB"),
48         @Result (property = "SEX" , column = "SEX"),
```

Figure 8. AddUser mapper – 2

This contain the query in this case for insert the user to the database.

And after if going to return to the controller toward the service if the query was executed successfully or no, in each case we send a message to view (see in figure 6, after the line 164 until the end of the figure).

All the views, controllers and models follow the same behavior in this project.

All functionalities have been developed, mandatories and optional.

The project work with JavaScript disabled only for register and we use to login as amazon. One when JavaScript is enabled and another one when JavaScript disabled, it means allow you to access to the core even with JavaScript disabled.

2. Relational Schema of the Database.

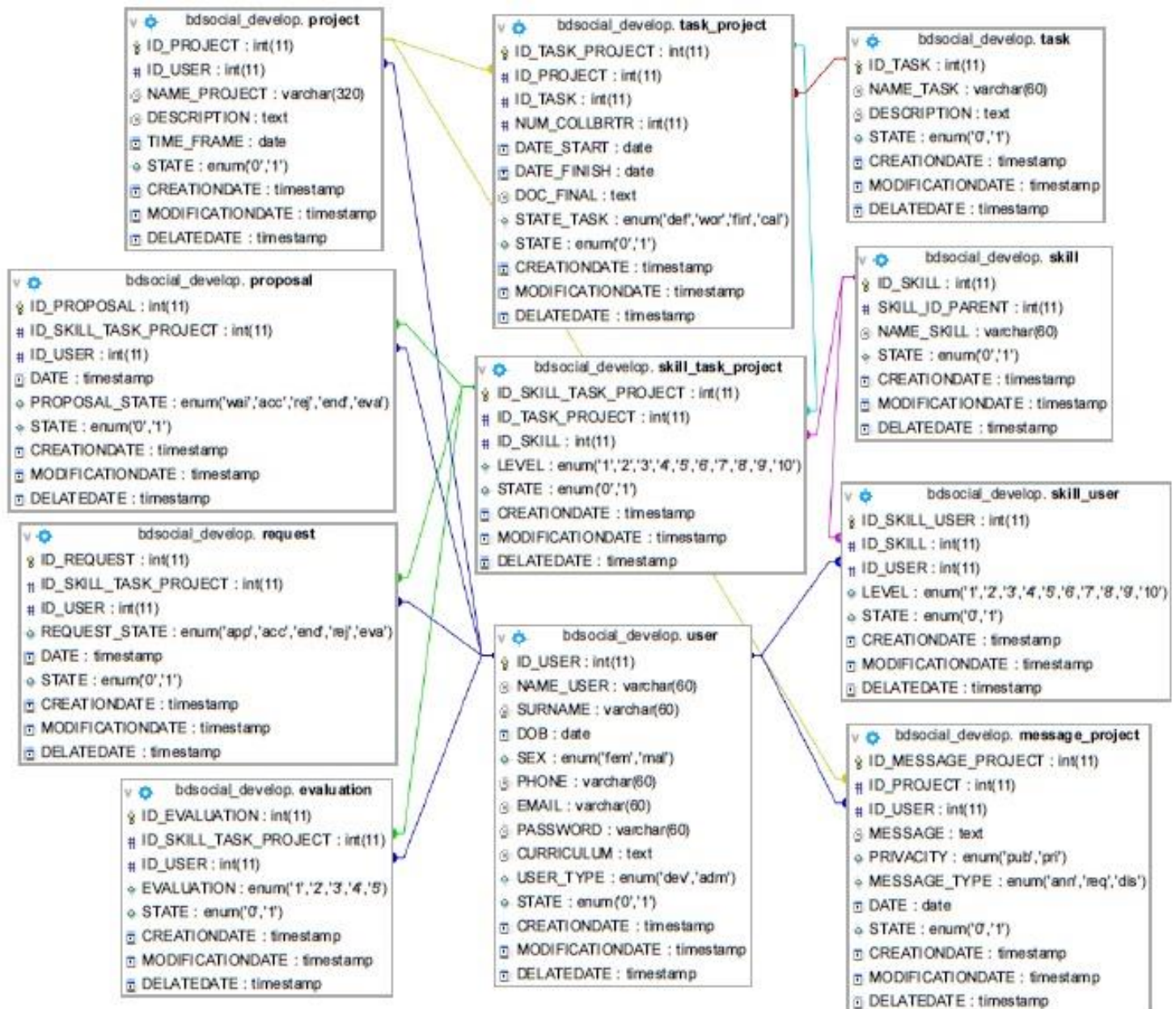


Figure 9. Relational Schema of the Database

This is the last version of the relational schema of the database, we use XAMPP 5.6.3 and MySQL as DBMS.

3. Diagram Structure Site

3.1. Home

Social Develop Home Register Log In

Social Develop

Browse in Social Develop

All the users, can search on SocialDevelop in two ways: Developers or Projects

Developers Projects

Log In

Email
stefan@hotmail.com

Password

☒ Remember Me Log In

[Forgot Password?](#)

Social Develop Project by Carlos Avendaño and Kelvin Payares, Univaq Copyright (c) 2016
localhost:8084/SocialDevelop/auth/login2

Figure 11. Home

In home anonymous user can register or browse in social develop in two different ways as described in the figure 11, and user can log in.

Social Develop

Social Develop

Browse in Social Develop

All the users, can search on SocialDevelop in two ways: Developers or Projects

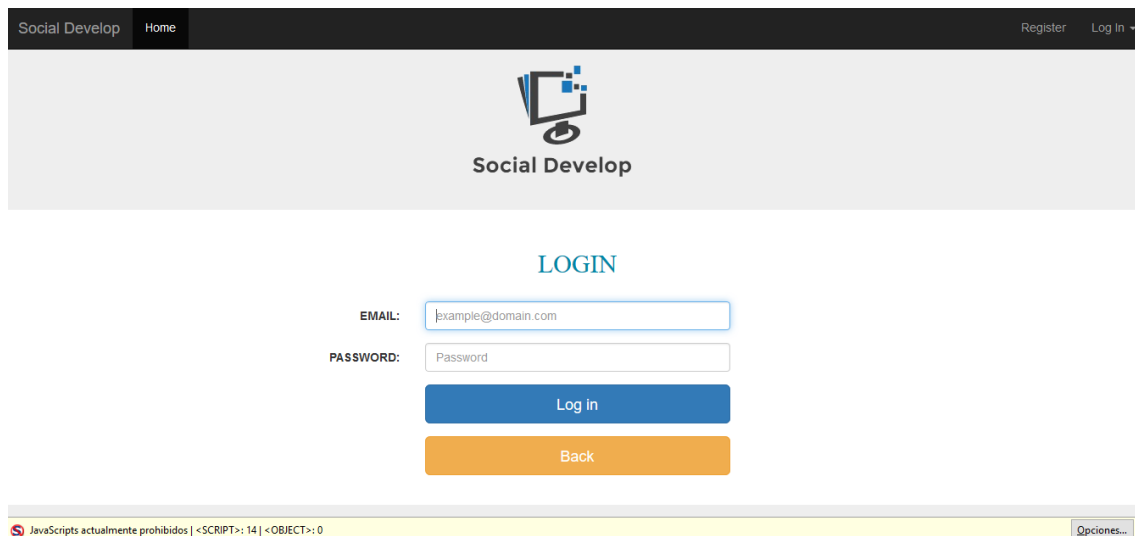
Developers Projects

Show 10 entries

Search:

Figure 12. Home responsive

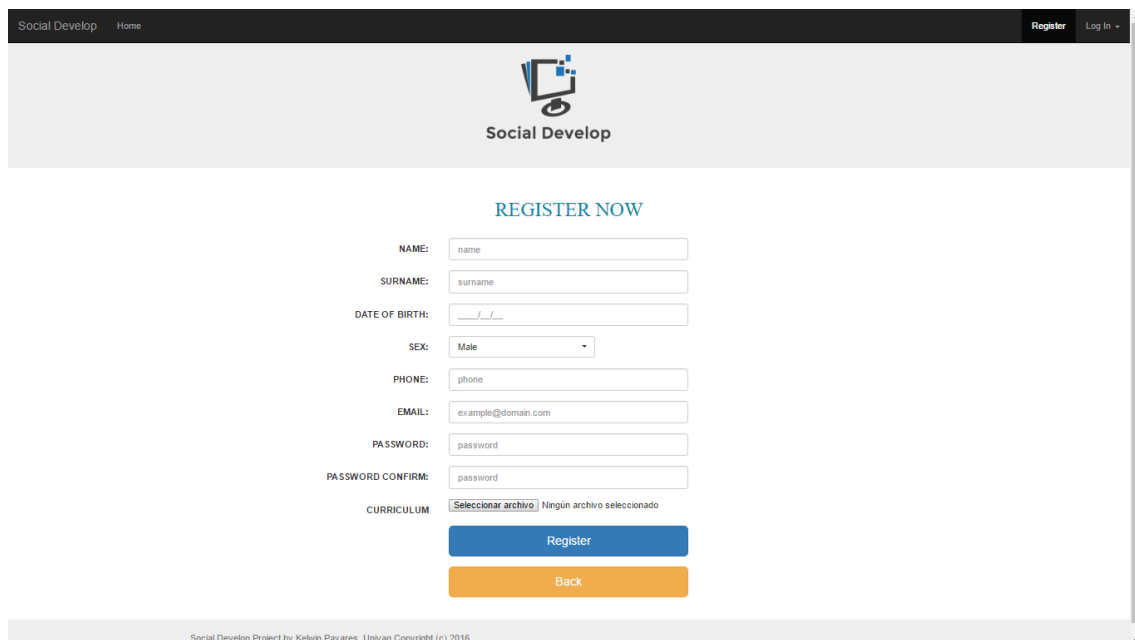
All the project is completely responsive. And when JavaScript is disabled and the click in Log in, they will be redirected to the special login.



The screenshot shows the 'Social Develop' website header with a navigation bar containing 'Social Develop', 'Home', 'Register', and 'Log In'. Below the header is a large banner with the 'Social Develop' logo. The main content area is titled 'LOGIN' in blue. It features a form with two input fields: 'EMAIL:' with the value 'example@domain.com' and 'PASSWORD:' with the value 'Password'. Below the fields are two buttons: a blue 'Log in' button and an orange 'Back' button. At the bottom of the page, a yellow warning bar states 'JavaScripts actualmente prohibidos | <SCRIPT>: 14 | <OBJECT>: 0' with a 'Opciones...' link on the right.

Figure 13. Login when JavaScript is disabled

Anonymous user can register themselves on social develop.



The screenshot shows the 'Social Develop' website header with a navigation bar containing 'Social Develop', 'Home', 'Register', and 'Log In'. Below the header is a large banner with the 'Social Develop' logo. The main content area is titled 'REGISTER NOW' in blue. It features a form with several input fields: 'NAME:' with the value 'name', 'SURNAME:' with the value 'surname', 'DATE OF BIRTH:' with the value '___/___/___', 'SEX:' with a dropdown menu showing 'Male', 'PHONE:' with the value 'phone', 'EMAIL:' with the value 'example@domain.com', 'PASSWORD:' with the value 'password', and 'PASSWORD CONFIRM:' with the value 'password'. Below the fields is a 'CURRICULUM' section with a 'Seleccionar archivo' button and the text 'Ningún archivo seleccionado'. At the bottom of the form are two buttons: a blue 'Register' button and an orange 'Back' button. The footer of the page contains the text 'Social Develop Project by Kelvin Payares, Univaq Copyright (c) 2016'.

Figure 14. Register

Toward this view everyone can register.

3.2. Admin User

When an admin is logged we have the home as well but we have two options else.

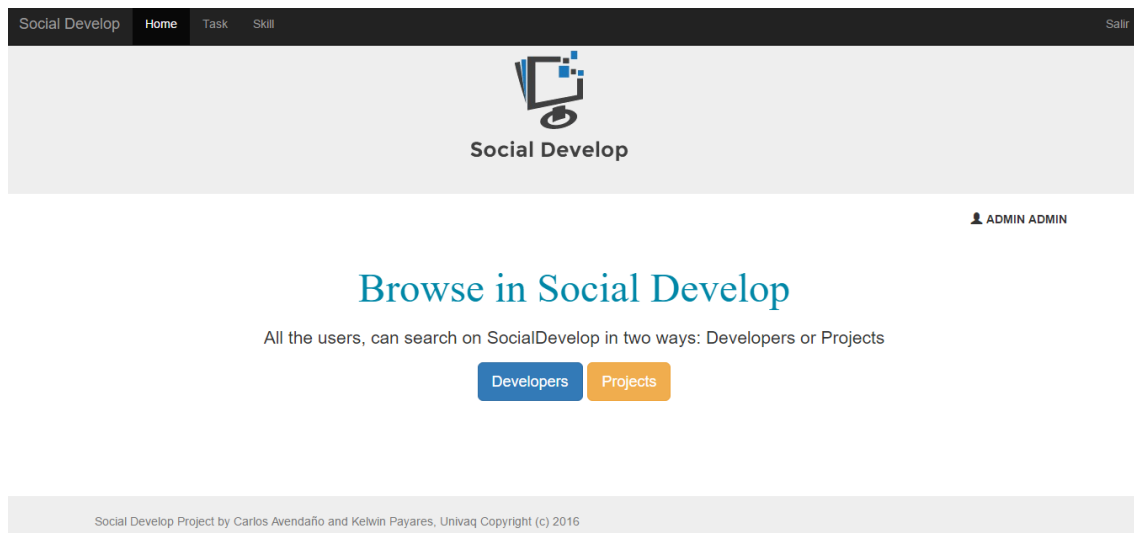


Figure 14. Home Admin

The other two options are task and skill.

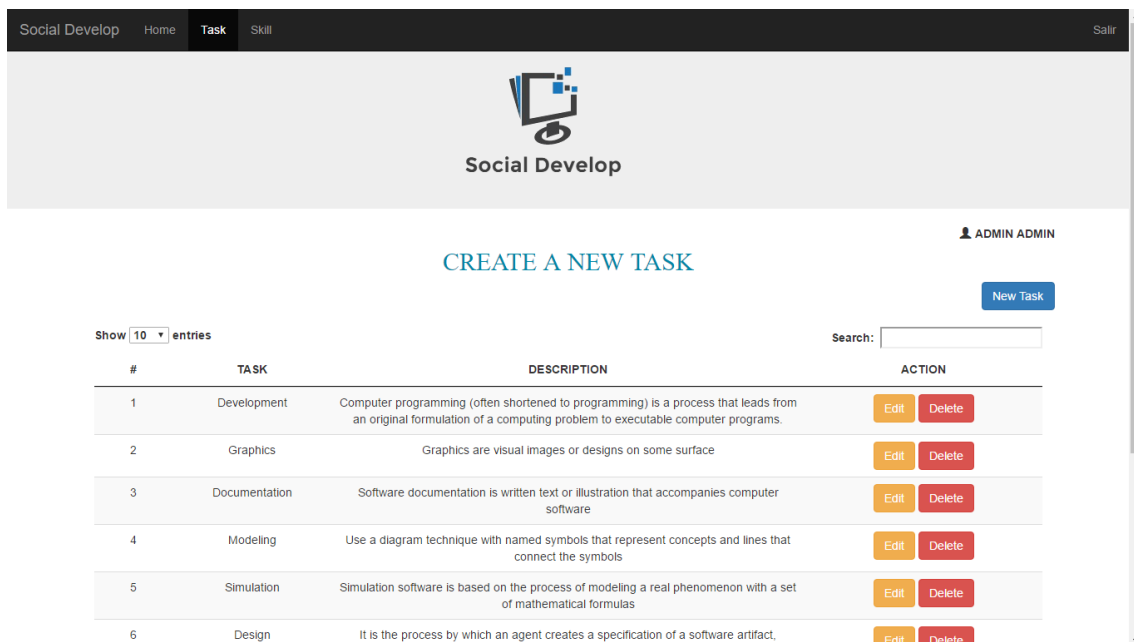


Figure 15. Task Admin

In this view, the admin can create, list, edit and delete task.

All our table have, a filter, a list for show how many items you want and pagination.

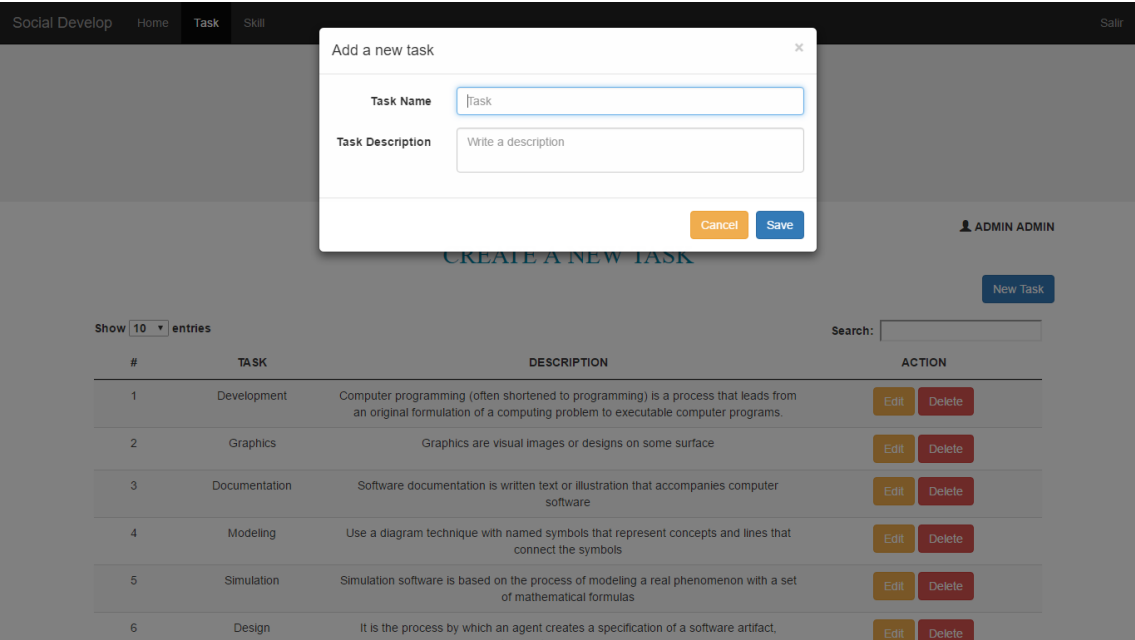


Figure 16. Create a new task

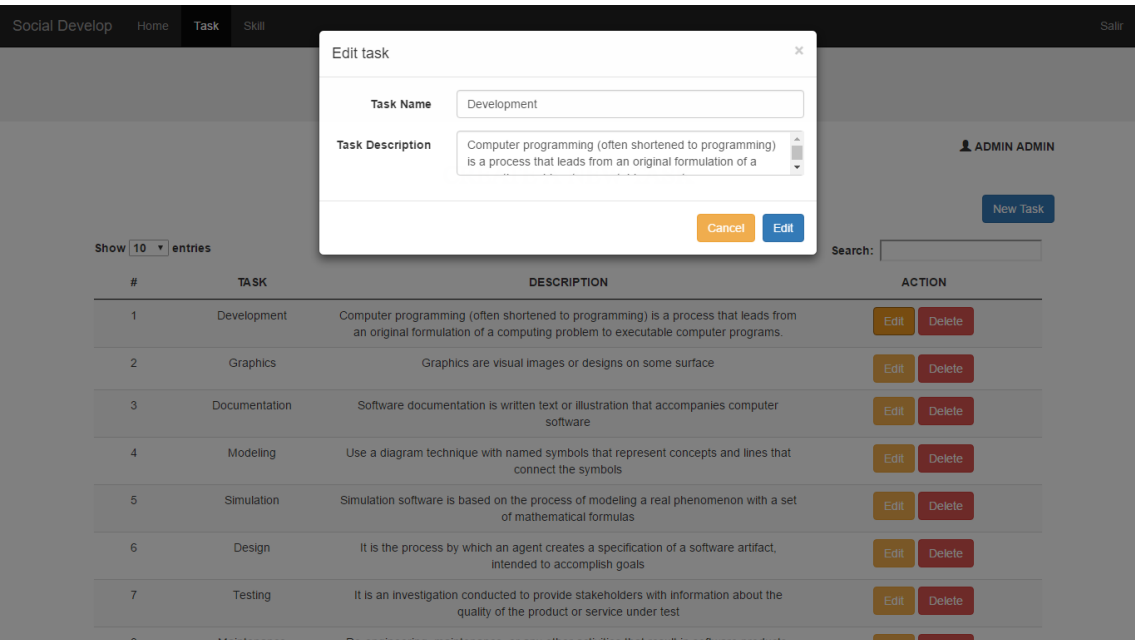


Figure 17. Edit task

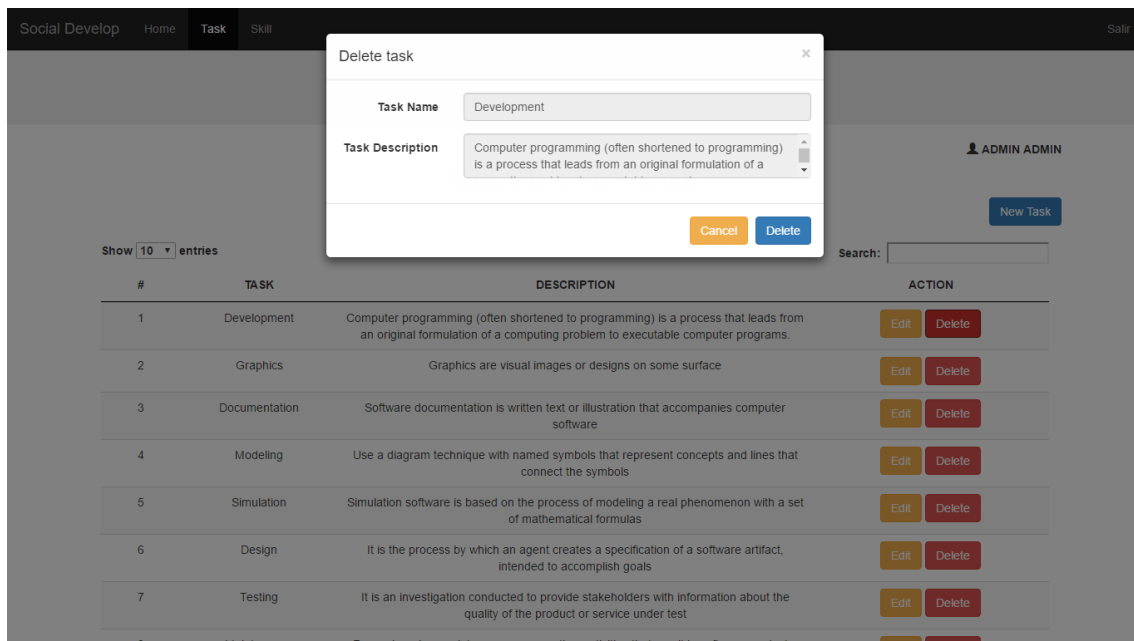


Figure 18. Edit task

We just add the functionality edit and delete in task view because in the same process for the skill (see image 19).

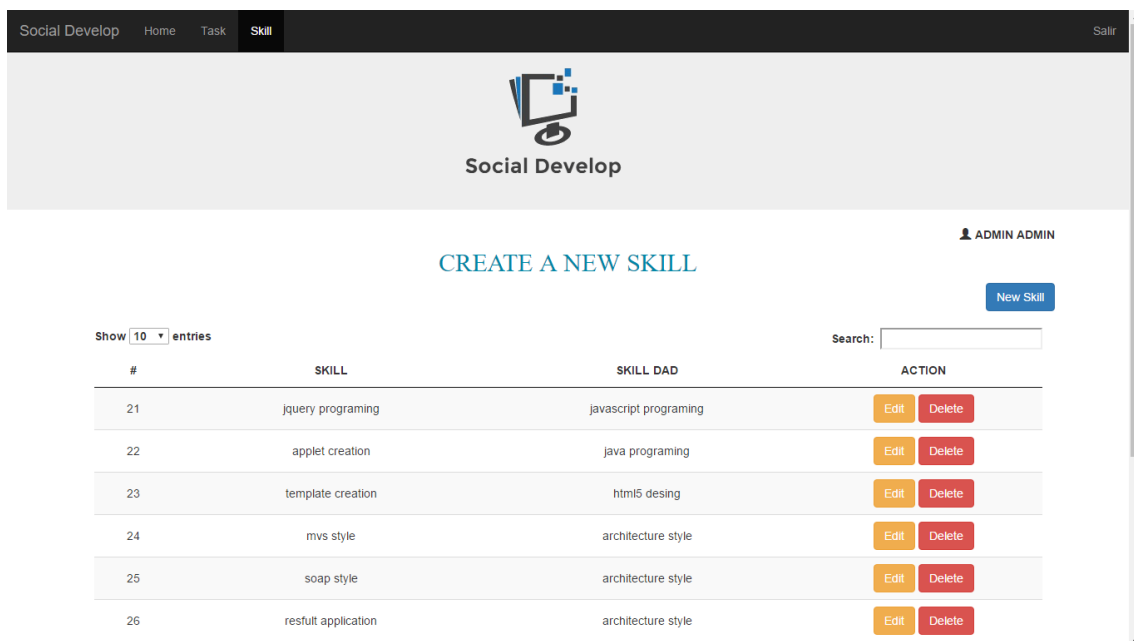


Figure 19. Skill view

It has been developed as an optional (Skills may optionally have a hierarchical structure).

3.3. User Logged

When an user is logged for the first time, he/she must associate skill to her/him profile, in this view it is possible list and associate skill.

Social Develop Home Project Task Collaboration Invitation Panel Offer Panel Profile Salir

Social Develop

Martha Caro

Welcome to Social Delevop

Your register is not ready, you have to register at least a skill according with your profile

[Associate a skill](#) [Finish profile](#)

Show 10 entries Search:

#	Skill Name	Level	Action
No matching records found			

Showing 0 to 0 of 0 entries Previous Next

Social Develop Project by Carlos Avendaño and Kelvin Pavares. Univian Copyright (c) 2016

Figure 20. Associate skill view

Social Develop Home Project Task Collaboration Invitation Panel Offer Panel Profile Salir

Associate Skill

Your can associate skills according to your profile.

[Associate a skill](#)

Show 10 entries Search:

#	Skill Name	Level	Action
1	mvs style	10	Edit Delete
2	soap style	10	Edit Delete
3	javascript programing	8	Edit Delete
4	html5 desing	9	Edit Delete

Figure 21. Associate skill

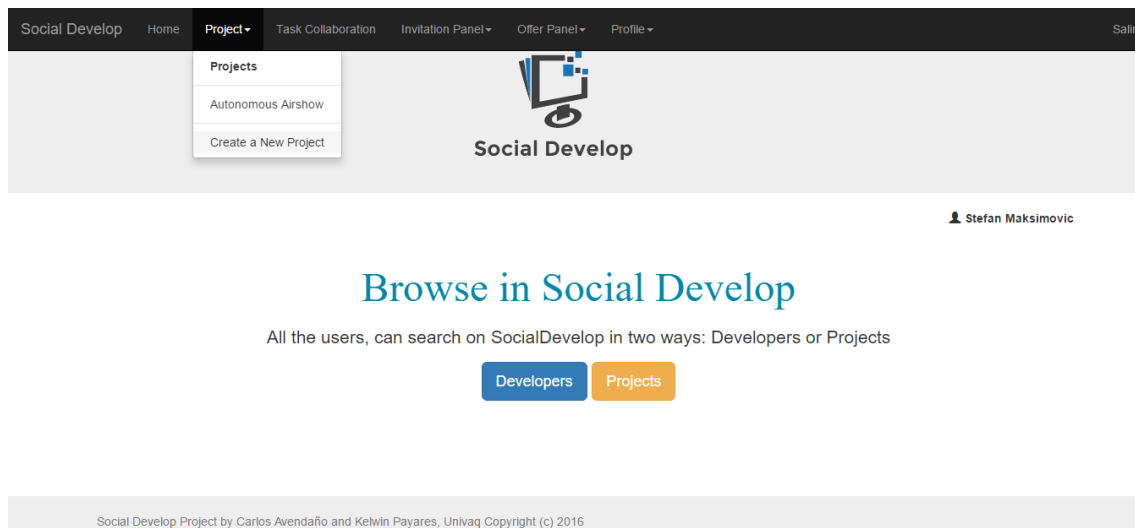


Figure 22. Home user logged

When the user is logged, it is going appear the complete menu with all the feature that a user can do, the first view is home, but from here the user can create a project or can entry to the projects already created example “Autonomous Airshow”.

Figure 23. Home user logged

Any logged user can create a project. With those fields.

3.4. Project Definition

The screenshot shows a web application interface for project management. At the top, a navigation bar includes links for 'Social Develop', 'Home', 'Project' (active), 'Task Collaboration', 'Invitation Panel', 'Offer Panel', and 'Profile'. The user 'Stefan Maksimovic' is logged in. The main content area is titled 'Autonomous Airshow'. Below the title, it lists the 'Project Coordinator' as Stefan Maksimovic and the 'Time Frame' as 2016-07-30. A description states: 'Variable pitch quadrotors have very fast dynamics and the capability to achieve negative thrust. Exploiting these properties, we can achieve very aggressive aerobatic trajectories.' An 'Add a New Task' button is present. Below this, a table displays project tasks with columns for '#', 'Task', 'Collaborators', 'Start Date', 'Finish Date', and 'Action'. The table contains two entries: 'Development' (3 collaborators, 2016-07-06 to 2016-07-20) and 'Graphics' (2 collaborators, 2016-07-16 to 2016-07-18). Each task has 'Skill', 'Edit', 'Delete', and 'Collaborator' action buttons. A search bar and pagination controls are also visible.

#	Task	Collaborators	Start Date	Finish Date	Action
1	Development	3	2016-07-06	2016-07-20	Skill Edit Delete Collaborator
2	Graphics	2	2016-07-16	2016-07-18	Skill Edit Delete Collaborator

Figure 24. Project definition view

This view show the project definition, all the data that were using for create the project, the definition is composed, adding task in a project (see figure 25).

The screenshot shows the same project definition view as Figure 24, but with a modal dialog box open. The dialog is titled 'Associate a task to the project' and contains the following fields: 'Task Name' (a dropdown menu with 'Development' selected), 'Number of collaborator' (a text input with 'number of collaborators'), 'Date Start' (a text input with 'YYYY/MM/DD'), and 'Date Finish' (a text input with 'YYYY/MM/DD'). There are 'Cancel' and 'Save' buttons at the bottom of the dialog. The background view is dimmed.

Figure 25. Associate task

And we can see that are listed all the task associated, inside the task we can associate skills (see figure 26).

The screenshot shows the 'Development' task page. At the top, there's a navigation bar with 'Social Develop', 'Home', 'Project', 'Task Collaboration', 'Invitation Panel', 'Offer Panel', and 'Profile'. Below this, a table lists tasks. The 'Development' task is selected, showing its details. The description states: 'Computer programming (often shortened to programming) is a process that leads from an original formulation of a computing problem to executable computer programs.' Below the description is a button 'Add a New Skill'. At the bottom, a table lists skills associated with the task.

#	Skill Name	Level of Expertise	Action
1	html5 desing	7	Edit Delete
2	css design	8	Edit Delete

Figure 26. Skills inside a task

And we can associate a new skill inside a task as well.

The screenshot shows a modal dialog box titled 'Associate a skill to the task'. It contains two input fields: 'Skill Name' with a dropdown menu showing 'Parent / Child', and 'Level of expertise' with a dropdown menu showing '1'. At the bottom of the dialog are 'Cancel' and 'Save' buttons. The background shows the same 'Development' task page as in Figure 26.

Figure 27. Associate skill

We are going to talk about collaborator after.

3.5. Invitation Panel

The screenshot shows the 'Invitation Panel' of the 'Social Develop' application. The user is logged in as 'Brandon Curiel'. The panel has a title 'Invitation Panel' and a subtitle 'Send a collaboration proposal to developers'. It includes a 'Parameter search developers' section with dropdowns for 'Project Name' (Social develop project), 'Task Name' (Graphics), 'Skill Name' (css design), and 'Level of expertise' (5). A 'Search' button is present. Below the search section, there is a table with 5 entries. The table has columns: #, Full Name, Skill Name, Level, and Action. The Action column contains 'View Profile' and 'Send Proposal' buttons. A search bar is also visible on the right side of the table.

#	Full Name	Skill Name	Level	Action
1	Mario Cardelli	css design	9	View Profile Cancel Proposal
2	Jose Sevilla	css design	9	View Profile Send Proposal
3	Gergana Nikovola	css design	10	View Profile Send Proposal
4	Eda Nergiz	css design	8	View Profile Send Proposal
5	Shankar Raman	css design	10	View Profile Send Proposal

Figure 28. Invitation Panel

The project coordinator can send to any registered developer a collaboration proposal for a particular task. He/she can see the profile of the developer.

The screenshot shows the 'Proposal Panel' of the 'Social Develop' application. The user is logged in as 'Kasia Trzcinska'. The panel has a title 'Proposal Panel' and a subtitle 'Here you see all the proposal that you have got, for working on as a collaborator involving in task of projects'. It includes a 'See Proposal' button and a 'See Historial' button. Below the buttons, there is a table with 2 entries. The table has columns: #, Coordinator Name, Project Name, Task Name, Date Start, Date Finish, and Action. The Action column contains 'Detail', 'Accept', and 'Reject' buttons. A search bar is also visible on the right side of the table.

#	Coordinator Name	Project Name	Task Name	Date Start	Date Finish	Action
1	Dima Ayash	Tutorias Educativas	Graphics	2016-06-25	2016-06-29	Detail Accept Reject
2	Tala Najem	Network Optimization App	Development	2016-06-29	2016-06-30	Detail Accept Reject

Showing 1 a 6 of 6 entries. (filtered from 2 total entries)

Previous [1](#) Next

Figure 29. Proposal panel

Each developer has a "proposals panel" that lists all the collaboration proposals sent by project coordinators as just described. And they can see detail of the project, accept or reject the proposal.

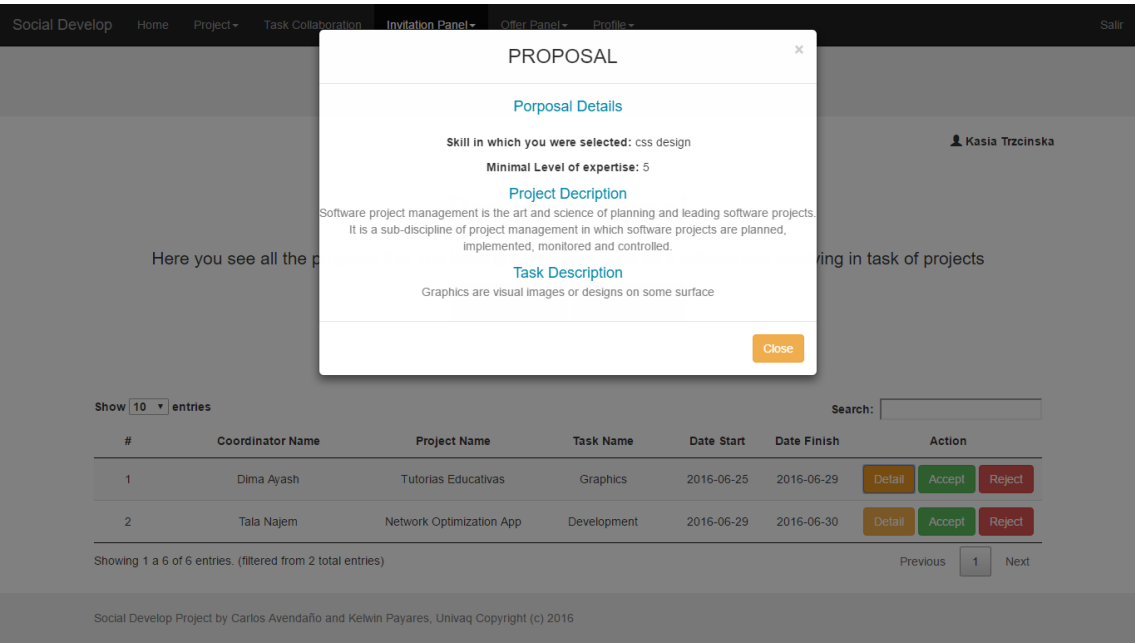


Figure 30. Proposal details

As optional feature we add the possibility to see the record of proposal that has been accepted or rejected.

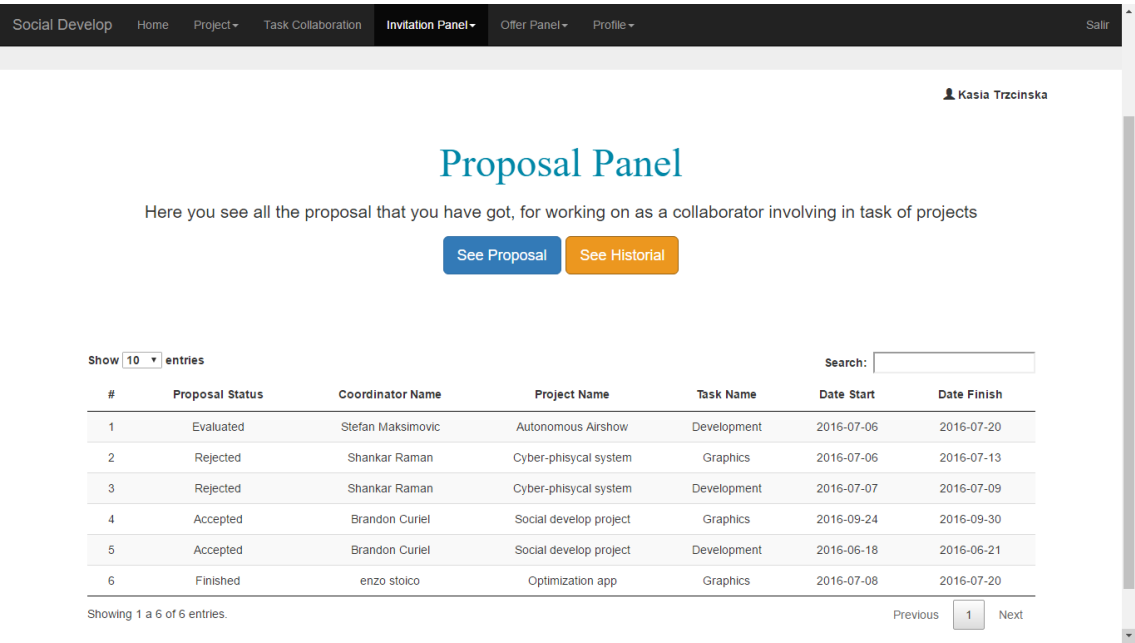


Figure 30. Record of proposal panel

3.6. Offer Panel

Social Develop give you the opportunity for get job as a developer, showing you a list of open task according with your skills for work in any project, apply now this is your opportunity.

The screenshot shows the 'Request Application Panel' for a user named Kasia Trzcinska. The panel includes a navigation bar with links to Social Develop, Home, Project, Task Collaboration, Invitation Panel, Offer Panel (active), and Profile. Below the navigation bar, the user's name is displayed. The main heading is 'Request Application Panel'. A description states: 'Social Develop give you the opportunity for get job as a developer, showing you a list of open task according with your skills for work in any project, apply now this is your opportunity.' Below this, there is a 'Skill Name' dropdown menu with 'html5 desing' selected and a 'See Offer' button. A table lists four open tasks with columns for #, Coordinator Name, Project Name, Task Name, Date Start, Date Finish, and Action. The table also includes a 'Show 10 entries' dropdown and a 'Search:' input field.

#	Coordinator Name	Project Name	Task Name	Date Start	Date Finish	Action
1	Brandon Curiel	Facebook mobapp	Graphics	2016-06-29	2016-07-02	Details Cancel
2	Tala Najem	Network Optimization App	Development	2016-06-29	2016-06-30	Details Apply
3	Shankar Raman	Cyber-phisycal system	Graphics	2016-07-06	2016-07-13	Details Apply
4	Brandon Curiel	Facebook mobapp	Development	2016-07-16	2016-07-17	Details Cancel

Figure 30. Request application panel

The screenshot shows the 'Application Panel' for a user named Lea Daublander. The panel includes a navigation bar with links to Social Develop, Home, Project, Task Collaboration, Invitation Panel, Offer Panel, and Profile. Below the navigation bar, the user's name is displayed. The main heading is 'Application Panel'. A description states: 'Social Develop allow you, if you coordinator in a project analyze the request for working on an open task for another developer see their profiles, if you are agree with their skills, profiles, you can enroll to your projects'. Below this, there are two buttons: 'See Request' and 'See Historial'. A table lists one application record with columns for #, State, Coordinator Name, Project Name, Task Name, Skill Name, Level Req, and Level User. The table also includes a 'Show 10 entries' dropdown and a 'Search:' input field. At the bottom, it shows 'Showing 1 a 1 of 1 entries.' and pagination links: 'Previous', '1', 'Next'.

#	State	Coordinator Name	Project Name	Task Name	Skill Name	Level Req	Level User
1	Evaluated	Kelwin Payares	Camin Hotel Web site	Graphics	jquery programming	8	10

Figure 31. Record of Request application panel

Collaborator can see the coordinator's decision status as "accepted" or "rejected".

3.7. Task Collaboration Panel

Task Collaboration panel allow you, see all the tasks in which you are working, here you can finish the task collaboration, only uploading a PDF file.


The screenshot shows the 'Task Collaboration' panel in the 'Social Develop' application. The top navigation bar includes 'Social Develop', 'Home', 'Project+', 'Task Collaboration', 'Invitation Panel+', 'Offer Panel+', 'Profile+', and a user profile 'Salir'. The main header features the 'Social Develop' logo and the user name 'Kasia Trzcinska'. The panel title is 'Task Collaboration Panel'. Below the title, a description states: 'Task Collaboration panel allow you, see all the tasks in which you are working, here you can finish the a task collaboration, only uploading a PDF file'. There are two buttons: 'Collaborations' (blue) and 'See Historial' (orange). A table displays task collaboration records with columns: '#', 'Coordinator Name', 'Project Name', 'Task Name', 'Skill Name', 'Level Req', 'Level User', and 'Action'. The table contains two entries. Below the table, it says 'Showing 1 a 2 of 2 entries.' and has pagination controls: 'Previous', '1', and 'Next'.

#	Coordinator Name	Project Name	Task Name	Skill Name	Level Req	Level User	Action
1	Brandon Curiel	Social develop project	Development	html5 desing	7	10	Details Finish
2	Brandon Curiel	Social develop project	Graphics	css design	5	10	Details Finish

Figure 32. Task collaboration panel

You can see the task collaboration record as optional feature we added three tree more status, "working", "waiting for evaluation" and "evaluated" for this section.

Social Develop
Home
Project
Task Collaboration
Invitation Panel
Offer Panel
Profile
Salir



Social Develop

Kasia Trzcinska

Task Collaboration Panel

Task Collaboration panel allow you, see all the tasks in which you are working, here you can finish the a task collaboration, only uploading a PDF file

Collaborations
See Historial

Show 10 entries
Search:

#	Action	Coordinator Name	Project Name	Task Name	Skill Name	Level Req	Level User
1	Evaluated	Stefan Maksimovic	Autonomous Airshow	Development	html5 desing	7	10
2	Waiting for evaluation	enzo stolco	Optimization app	Graphics	html5 desing	7	10
3	Evaluated	Stefan Maksimovic	Autonomous Airshow	Development	css design	8	10

Showing 1 a 3 of 3 entries.
Previous
1
Next

Figure 33. Record of Task collaboration panel

It time to talk in the definition of the project about the button collaborators of a task.

Social Develop
Home
Project
Task Collaboration
Invitation Panel
Offer Panel
Profile
Salir

properties, we can achieve very aggressive aerobic trajectories.

Add a New Task

Show 10 entries
Search:

#	Task	Collaborators	Start Date	Finish Date	Action
1	Development	3	2016-07-06	2016-07-20	Skill Edit Delete Collaborator
2	Graphics	2	2016-07-16	2016-07-18	Skill Edit Delete Collaborator

Showing 1 a 2 of 2 entries.
Previous
1
Next

Development

Show 10 entries
Search:

#	Full Name	Collaboration Task	Collaboration Skill	Level of expertise	Task State	Action
1	Jose Sevilla	Development	html5 desing	10	Finished	Evaluate
2	Kasia Trzcinska	Development	html5 desing	10	Evaluated	Evaluated
3	Kasia Trzcinska	Development	css design	10	Evaluated	Evaluated

Showing 1 a 3 of 3 entries.
Previous
1
Next

Figure 34. Collaborators of a task-1

We can see the collaborators of a development task, and two of them have been evaluated and “Jose Sevilla” finished its task, because he is waiting for be evaluated.

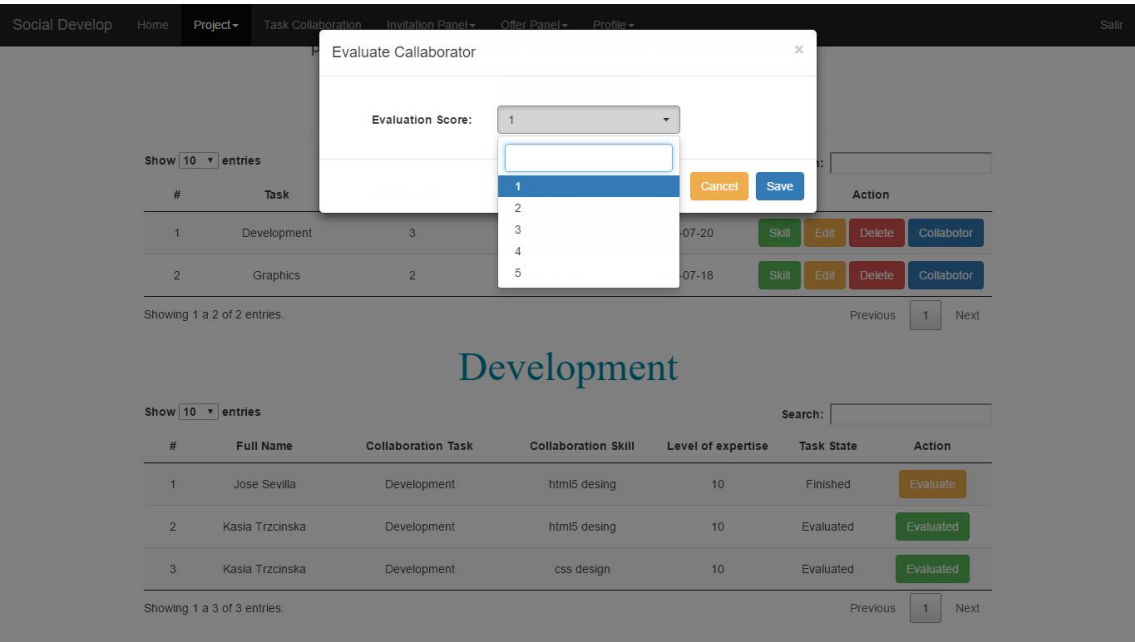


Figure 35. Evaluation of a collaborator

The coordinator of the project can evaluate from 1 to 5 to collaborator

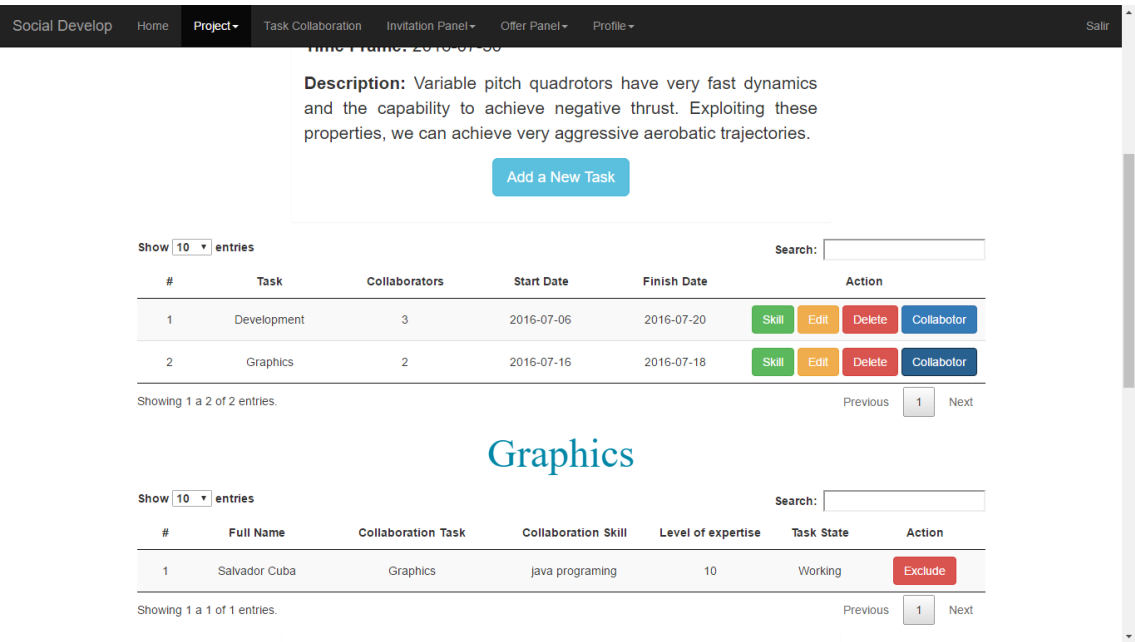


Figure 36. Collaborators of a task-2

We can see the collaborator of a graphics task, and he is working so it means that he can be excluded.

3.8. Messages

Coordinator and developer can write and see messages public or private inside of the project.

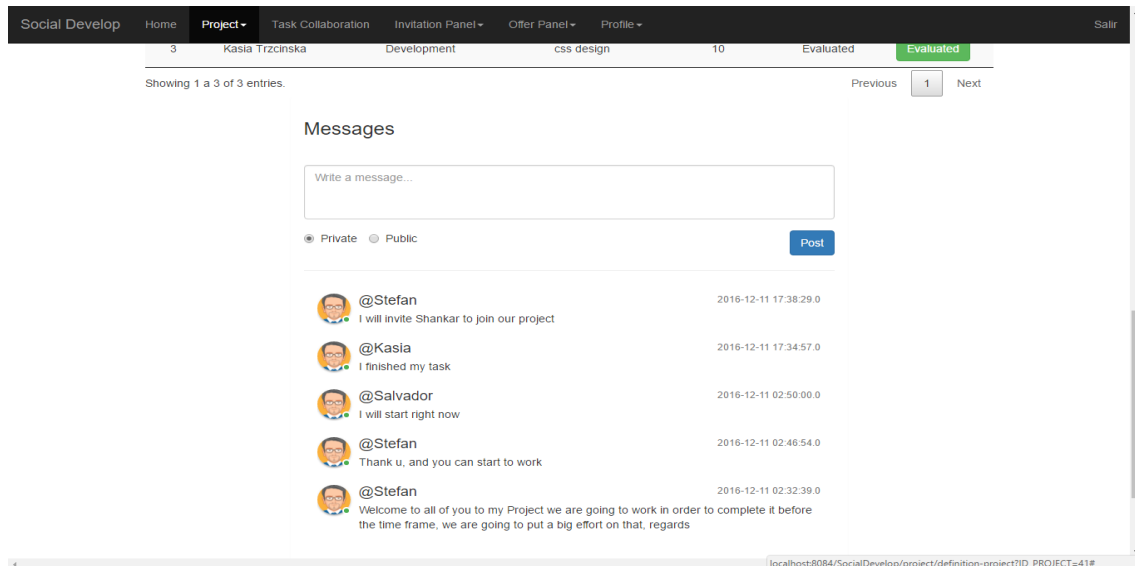


Figure 37. Messages inside a project

Developers can see their profile, that include to see all their data download, change their curriculum and see task in which they have been evaluated and in which they are working on.

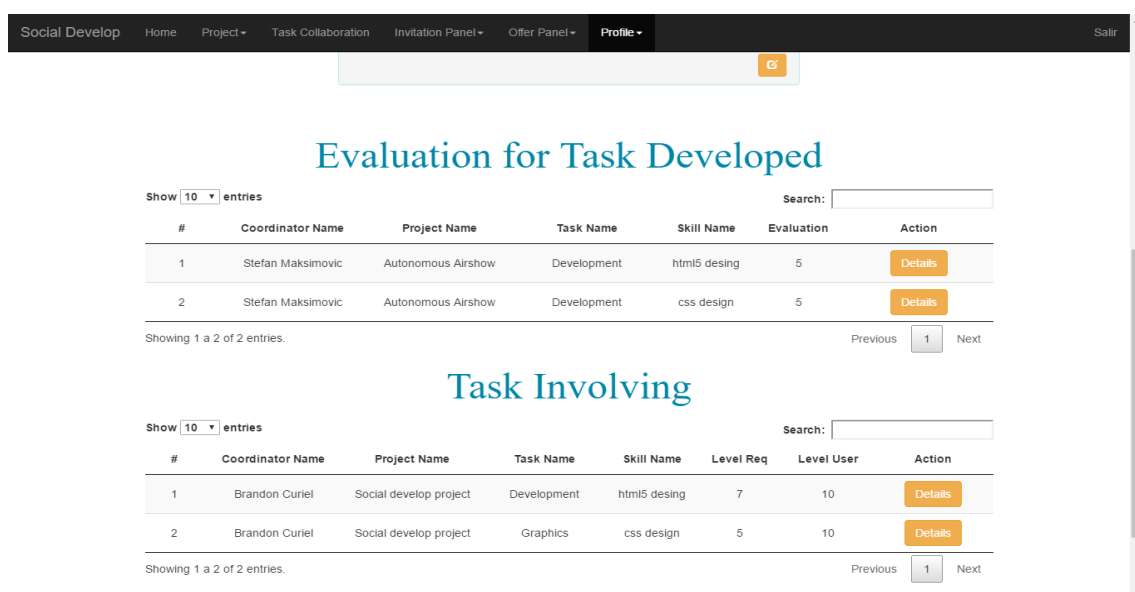


Figure 38. Profile on computer

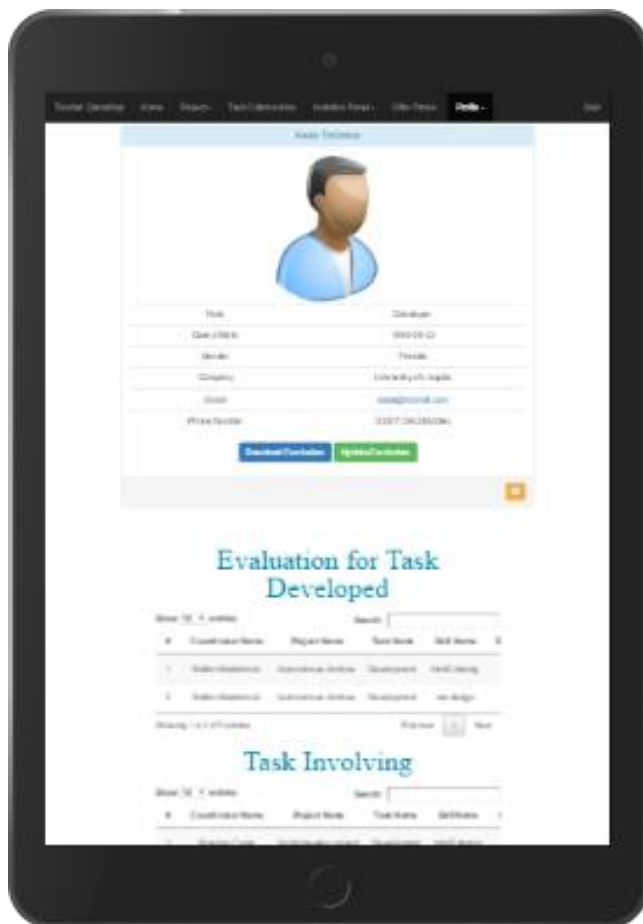


Figure 39. Profile on tablet

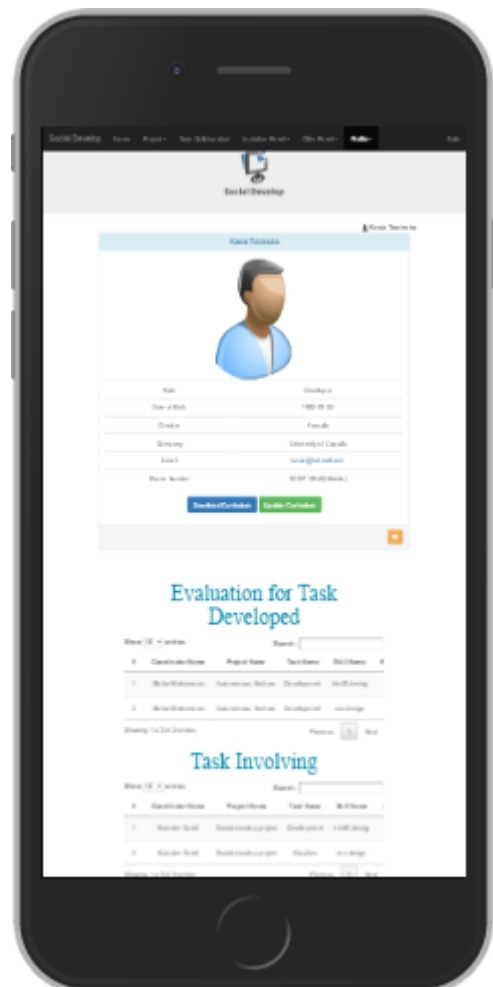


Figure 40. Profile on smartphone

3.9. Search on SocialDevelop

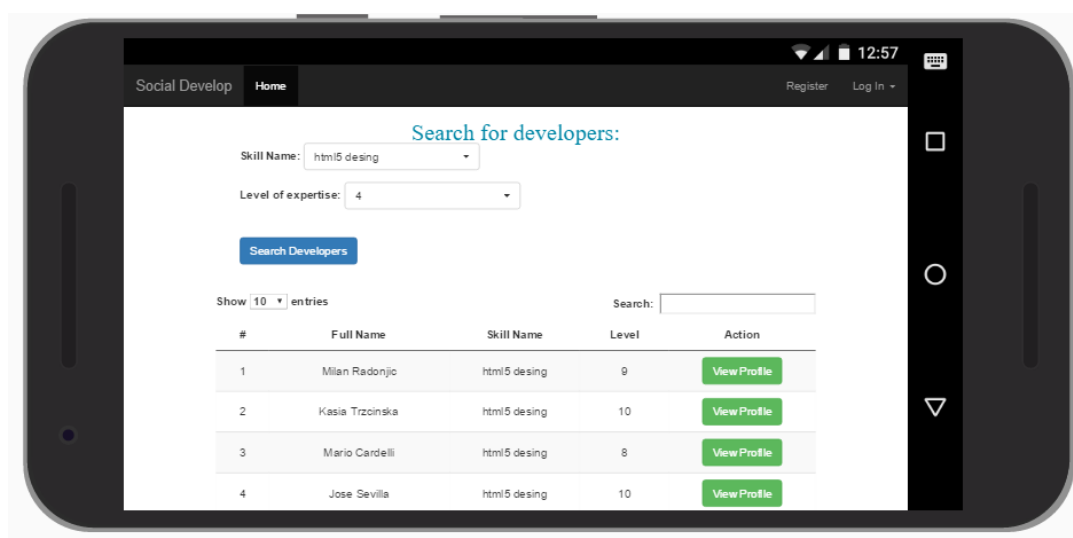


Figure 41. Search by developer in the home view

Search for developers: the user indicates “HTML 5” a “4” as minimum level of expertise and the system returned the list of developer profiles having the skill, with a level of expertise greater than or equal to the given.

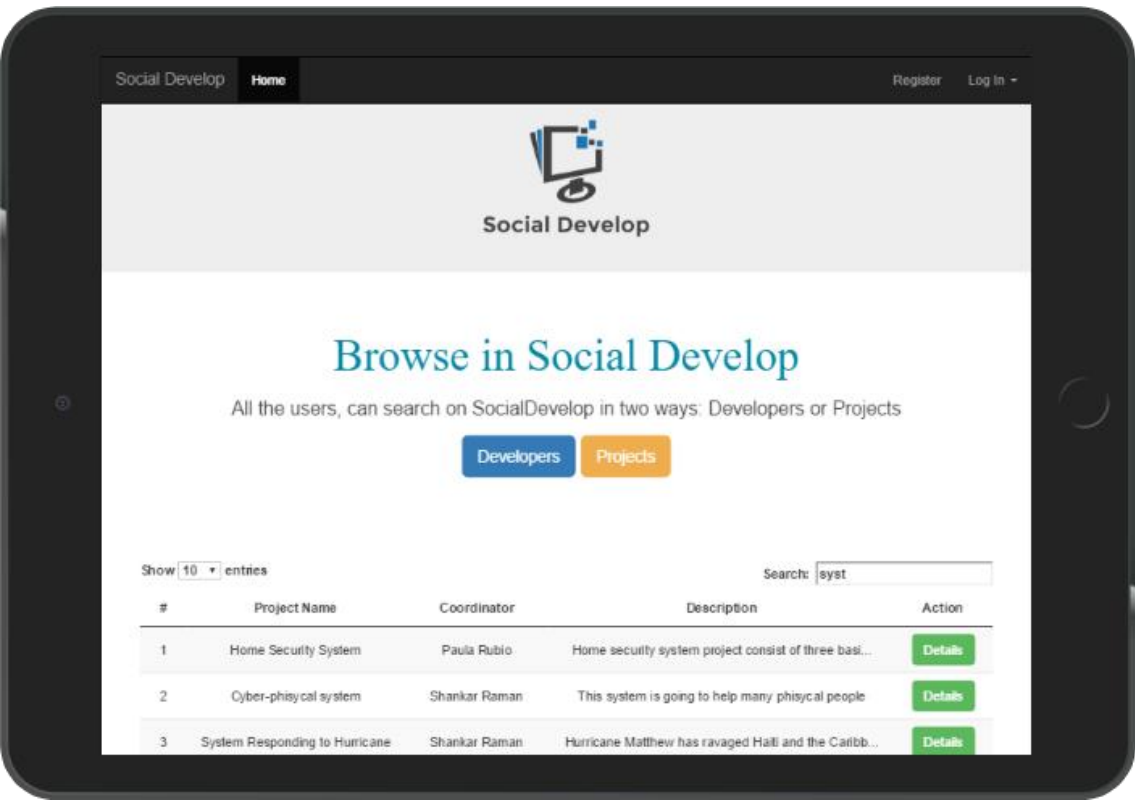


Figure 42. Search by projects in the home view

Search for projects: the user entered “Syst” as keywords, and the system returned a list of projects having that word in the name or description.

In the end we show that we are inside of the same project of the figure 37, “Autonomous Airshow” as an anonymous user and only we can see the public messages and we cannot write any message because only user that are part of the project can write a message.

Social Develop
Home
Register
Log In

Showing 1 a 2 of 2 entries.

Previous1Next

Development

Show 10 entries
Search:

#	Full Name	Collaboration Task	Collaboration Skill	Level of expertise	Task State	Action
1	Jose Sevilla	Development	html5 desing	10	Finished	-
2	Kasia Trzcinska	Development	html5 desing	10	Evaluated	-
3	Kasia Trzcinska	Development	css design	10	Evaluated	-

Showing 1 a 3 of 3 entries.

Previous1Next

Messages

@Kasia
2016-12-11 17:34:57.0
I finished my task

@Salvador
2016-12-11 02:50:00.0
I will start right now

@Stefan
2016-12-11 02:32:39.0
Welcome to all of you to my Project we are going to work in order to complete it before the time frame, we are going to put a big effort on that, regards

Figure 43. Messages and project definition for an anonymous user

We added email notification as well, we are going to show in the oral examination.

4. Browse supported

We are using Bootstrap version 3 and Bootstrap is built to work best in the latest desktop and mobile browsers, meaning older browsers might display differently styled, though fully functional, renderings of certain components².

Firefox	Chrome	IE	iPhone	Safari
37	41	11	8.2	8
37	41	10		
36	41	9		
		8		

Figure 44. Supported browsers

² <http://getbootstrap.com/getting-started/#support>

5. Libraries used in the project

5.1. Back-End

Libraries	Version	Web Site	Description
Spring Framework	3.1.1.RELEASE	https://projects.spring.io/spring-framework/	Spring was selected as the Social Develop Framework. The Spring Framework provides a comprehensive programming and configuration model for modern Java-based enterprise applications - on any kind of deployment platform.
Spring-Security	3.1.1	https://projects.spring.io/spring-security/	Spring Security is a powerful and highly customizable authentication and access-control framework. It is the de-facto standard for securing Spring-based applications.
MySQL-connector-java	5.1.26-bin	http://dev.mysql.com/downloads/connector/j/3.0.html	Library for connect to the data base MySQL.
MyBatis-Spring	3.2.2	http://www.mybatis.org/mybatis-3/es/	MyBatis-Spring integrates MyBatis seamlessly with Spring. This library allows MyBatis to participate in Spring transactions, takes care of building MyBatis mappers and SqlSessions and inject them into other beans, translates MyBatis exceptions into Spring DataAccessExceptions, and finally, it lets you build your application code free of dependencies on MyBatis, Spring or MyBatis-Spring.
BoneCP	0.8	http://www.jolbox.com/	BoneCP is a fast, free, open-source, Java database connection pool (JDBC Pool) library. If you are familiar

			with C3P0 and DBCP then you already know what this means.
JSTL	1.2	http://docs.oracle.com/javaee/5/jstl/1.1/docs/tlddocs/ http://www.oracle.com/technet/work/java/index-jsp-135995.html	JavaServer Pages Standard Tag Library (JSTL) encapsulates as simple tags the core functionality common to many Web applications. JSTL has support for common, structural tasks such as iteration and conditionals, tags for manipulating XML documents, internationalization tags, and SQL tags.
Apache-tiles	2.2.2	https://tiles.apache.org/	Apache Tiles allows authors to define page fragments which can be assembled into a complete page at runtime. These fragments, or tiles, can be used as simple includes in order to reduce the duplication of common page elements or embedded within other tiles to develop a series of reusable templates.
Jackson	2.0	http://wiki.fasterxml.com/JacksonHome	Inspired by the quality and variety of XML tooling available for the Java platform (StAX, JAXB, etc.), the Jackson is a multi-purpose Java library for processing JSON data format. Jackson aims to be the best possible combination of fast, correct, lightweight, and ergonomic for developers.
Logger	1.2.14	https://docs.oracle.com/javase/7/docs/api/java/util/logging/Logger.html	A Logger object is used to log messages for a specific system or application component
Javax-mail	1.4	http://www.oracle.com/technet/work/java/javamail/index.html	The JavaMail API provides a platform-independent and protocol-independent framework to build mail and messaging applications. The JavaMail API is available as an optional package for use with the Java SE platform and is also included in the Java EE platform.

Free-Marker	2.3.20	http://freemarker.org/	Apache FreeMarker is a <i>template engine</i> : a Java library to generate text output (HTML web pages, e-mails, configuration files, source code, etc.) based on templates and changing data.
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Table 1. Backend Table

5.2. Front End

Libraries	Version	Web Site	Description
jQuery	2.1.4	https://jquery.com/	jQuery is a fast, small, and feature-rich JavaScript library. It makes things like HTML document traversal and manipulation, event handling, animation, and Ajax much simpler with an easy-to-use API that works across a multitude of browsers.
AngularJS	1.4.7	https://angularjs.org/	AngularJS lets you extend HTML vocabulary for your application. The resulting environment is extraordinarily expressive, readable, and quick to develop.
Bootstrap	1.10.0	http://getbootstrap.com/	Bootstrap makes front-end web development faster and easier. It's made for folks of all skill levels, devices of all shapes, and projects of all sizes.
jQuery-confirm	2.5.1	https://craftpip.github.io/jquery-confirm/	A jQuery plugin that provides great set of features like, Auto-close, Ajax-loading, Themes, Animations and more. This plugin is actively developed, I would love you have your suggestions.

jQuery-validate	1.15.0	https://jqueryvalidation.org/	jQuery plugin makes simple clientside form validation easy, whilst still offering plenty of customization options. It makes a good choice if you're building something new from scratch, but also when you're trying to integrate something into an existing application with lots of existing markup.
DataTables	1.10.12	https://datatables.net/	DataTables is a plug-in for the jQuery JavaScript library. It is a highly flexible tool, based upon the foundations of progressive enhancement, and will add advanced interaction controls to any HTML table.
jQuery.Mask	1.13.4	https://plugins.jquery.com/mask/	A jQuery Plugin to make masks on form fields and html elements.

Table 2. Frontend Table