EasyChair
The world for scientists

# Easy Chair Software Engineer

2nd Phase

Elementos do grupo:

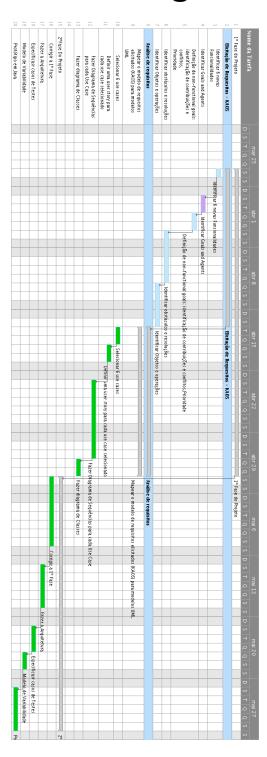Ricardo Esteves nº 44930

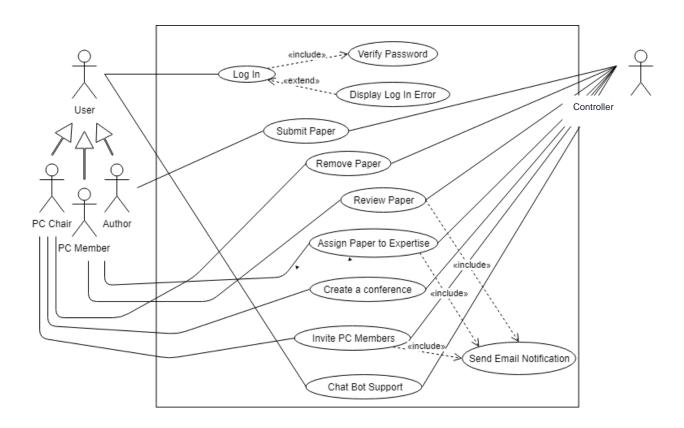Pedro Santos nº 45245

Nuno Paulo nº 45690

# Índex

# Gantt Diagram

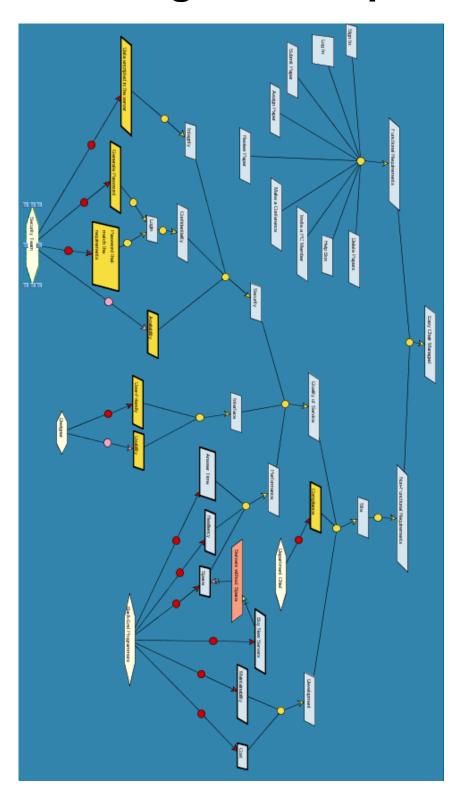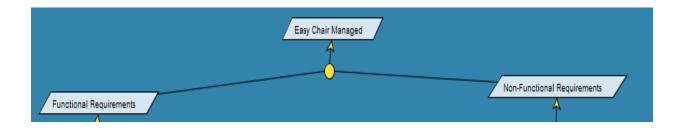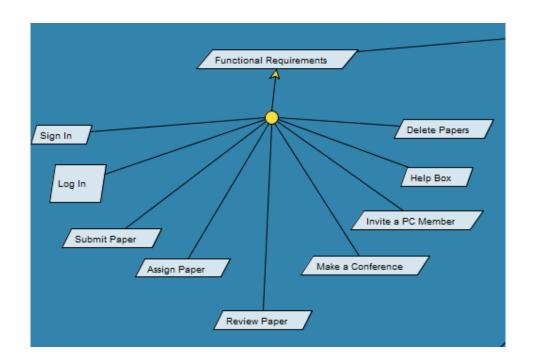| # | Nome da Tarefa |
|---|---|
| 1 | 1° Fase do Projeto |
| 2 | Elicitação de Requesitos - KAOS |
| 3 | Identificar 6 novas Funcionalidades; |
| 4 | Identificar Goals and Agents |
| 5 | Definição de non-functional goals; identificação de contribuições e conflitos; Prioridade |
| 6 | Identificar obstáculos e resoluções |
| 7 | Identificar Objetos e operações |
| 8 | Análise de requisitos |
| 9 | Mapear o modelo de requisitos elicitados (KAOS) para modelos UML |
| 10 | Selecionar 6 use cases |
| 11 | Definir uma user story para cada use case selecionado |
| 12 | Fazer Diagrama de Sequências para cada Use Case |
| 13 | Fazer diagrama de Classes |
| 14 | |
| 15 | 2ªFase Do Projeto |
| 16 | Corrigir a 1° Fase |
| 17 | Fazer a Arquitetura |
| 18 | Especificar casos de Testes |
| 19 | Modelo de Variabilidade |
| 20 | Protótipo em Java |

# Use Case Diagram

# Kaos Diagram Complete
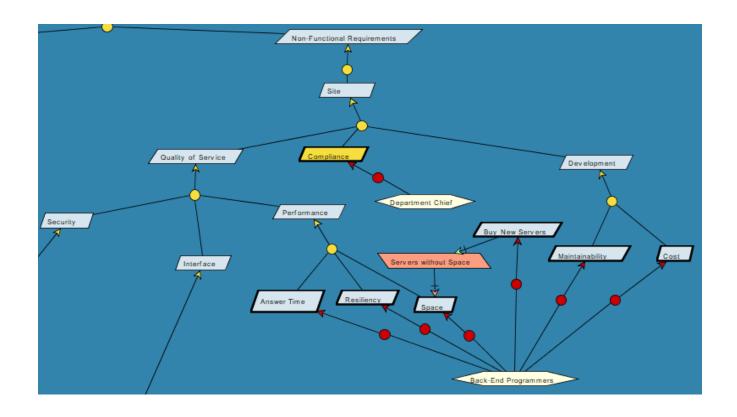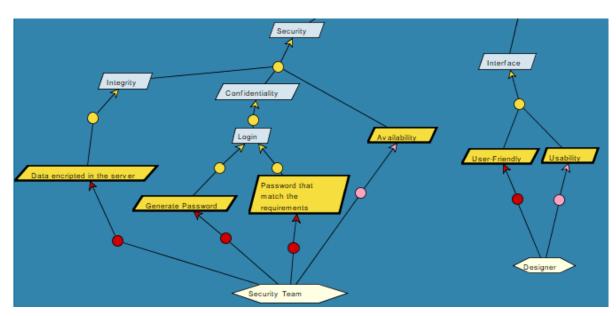
# Complete Kaos Diagram – Part I



# Complete Kaos Diagram – Part II

# Complete Kaos Diagram – Part III
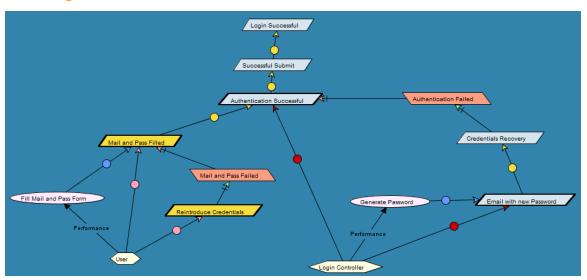


# Complete Kaos Diagram – Part IV
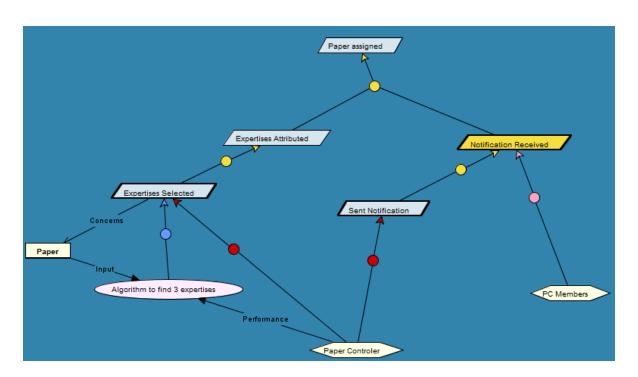
# Functional Kaos Diagrams
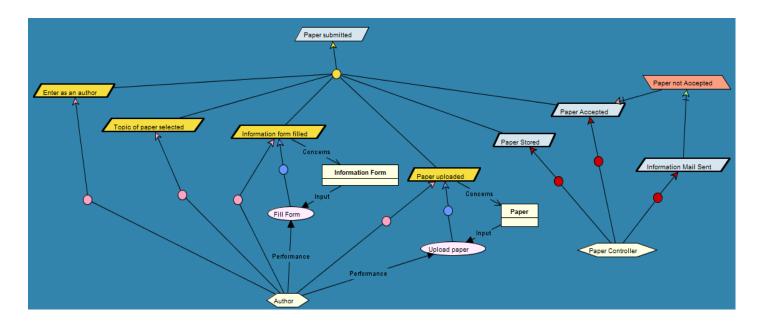
- Login
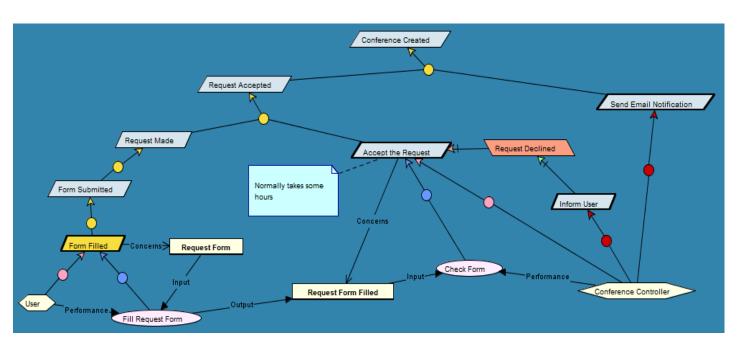


- Assign papers to PC Members
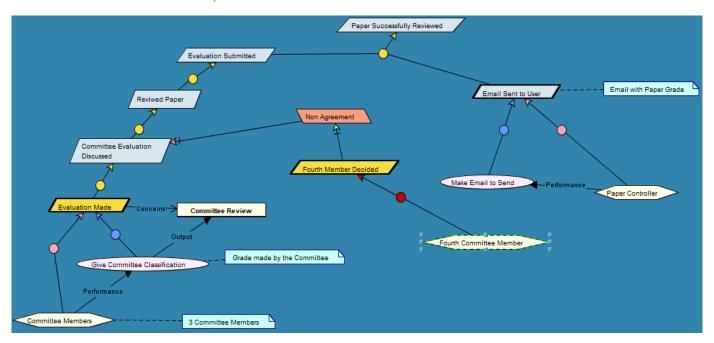
- Submit Papers



- Create conference

- Review Papers
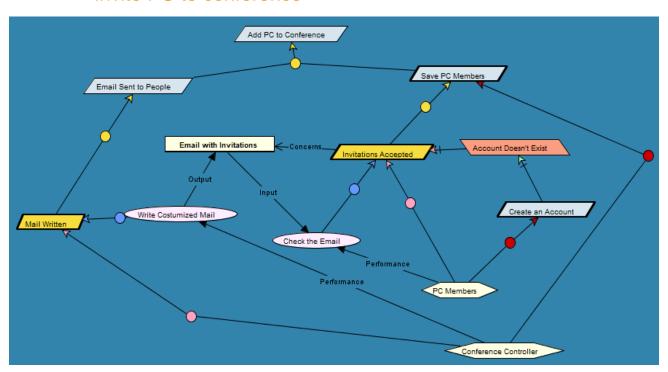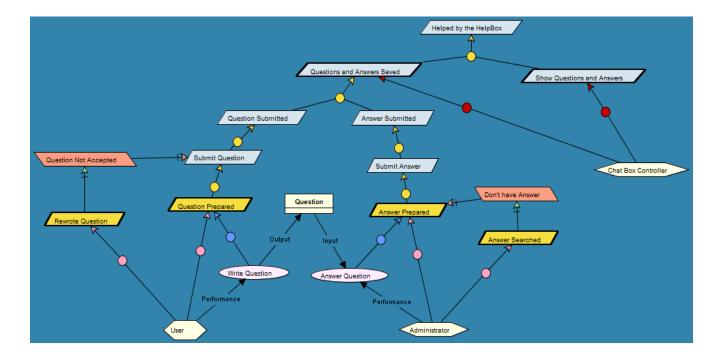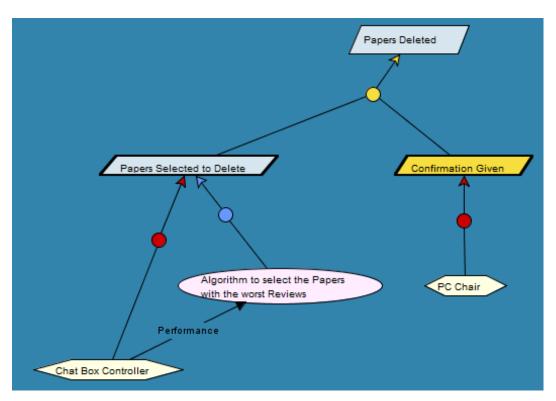


- Invite PC to conference

- **Chat Bot Support**
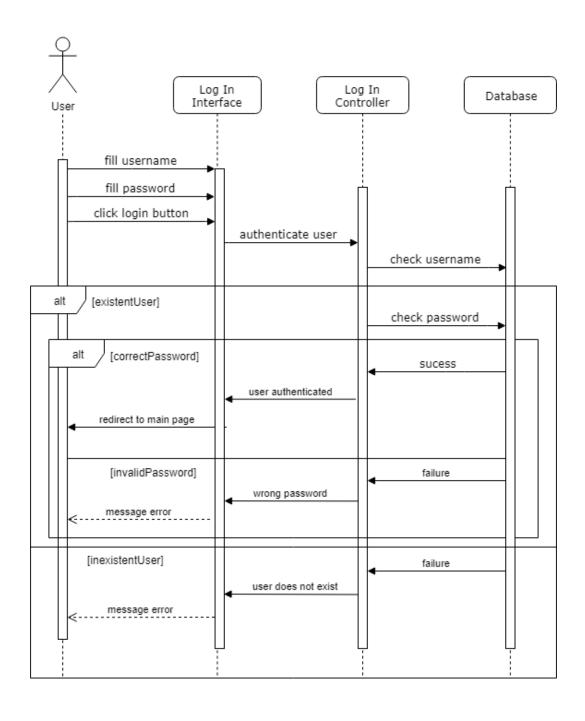


- **Delete Paper**
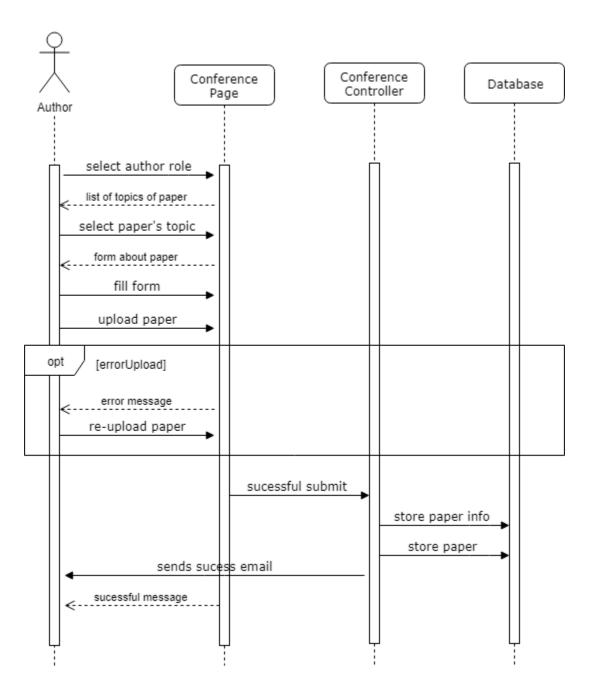
# 6 Sequence Diagrams
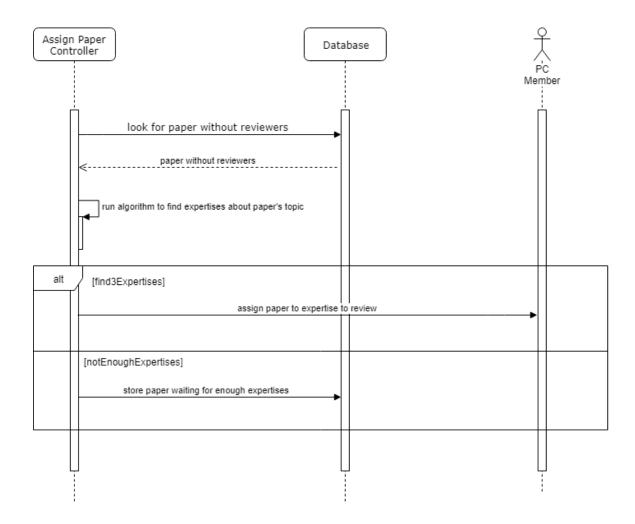
- Login
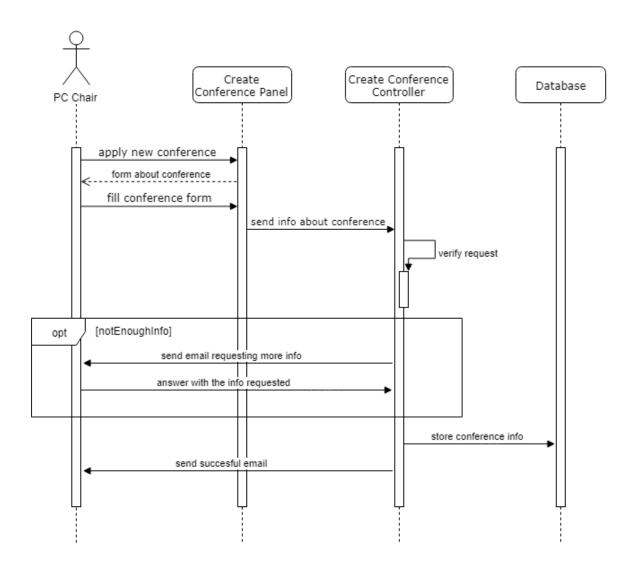
- Submit Papers

- Assign papers to PC Members



Assign Paper Controller — Database — PC Member

look for paper without reviewers

paper without reviewers

run algorithm to find expertises about paper's topic

alt [find3Expertises]

assign paper to expertise to review

[notEnoughExpertises]

store paper waiting for enough expertises

- Create conference

- Review Papers
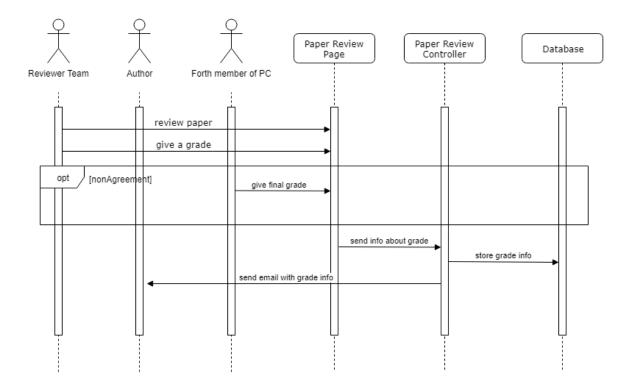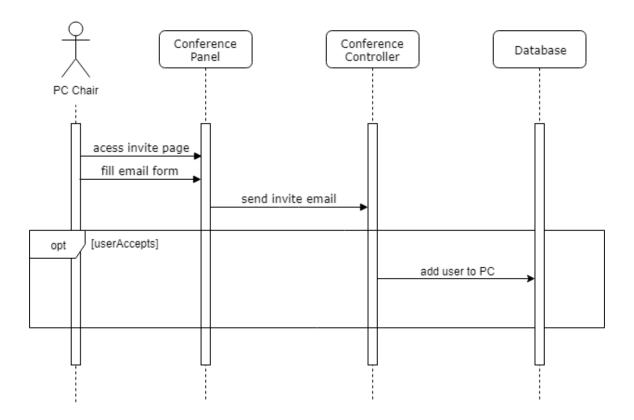
- Invite PC to conference

# 6 user Stories

- ## Login

Story: user wants to log in as a user I want to login into the site, so I can access the platform.

Scenario 1: correct username and password.

Scenario 2: wrong username.

Scenario 3: wrong password.

Scenario 4: wrong username and password.

Scenario 5: user account doesn't exist.

- ## Submit Papers

Story: author wants to submit a paper as an author I want to submit a paper, so I can have my paper reviewed.

Scenario 1: paper well submitted.

Scenario 2: missing information in form.

Scenario 3: paper exceed max size.

- ## Assign papers to PC Members

Story: assignment of papers to pc members as the system I want to assign one paper to 3 expertise's, so I can have a committee team to evaluate the paper.

Scenario 1: paper assigned to 3 pc members.

Scenario 2: not enough pc members to assign paper.

- ## Create conference

Story: pc chair wants to create a conference as a pc chair I want to create a conference, So I can invite users to pc committee to review papers.

Scenario 1: conference created.

Scenario 2: form not approved.

- ## Review Papers

Story: committee reviews a paper as a committee member I want to review a paper, so I can give a grade to the author.

Scenario 1: give a grade to the author.

Scenario 2: conflict with the grade, fourth member of committee decides.
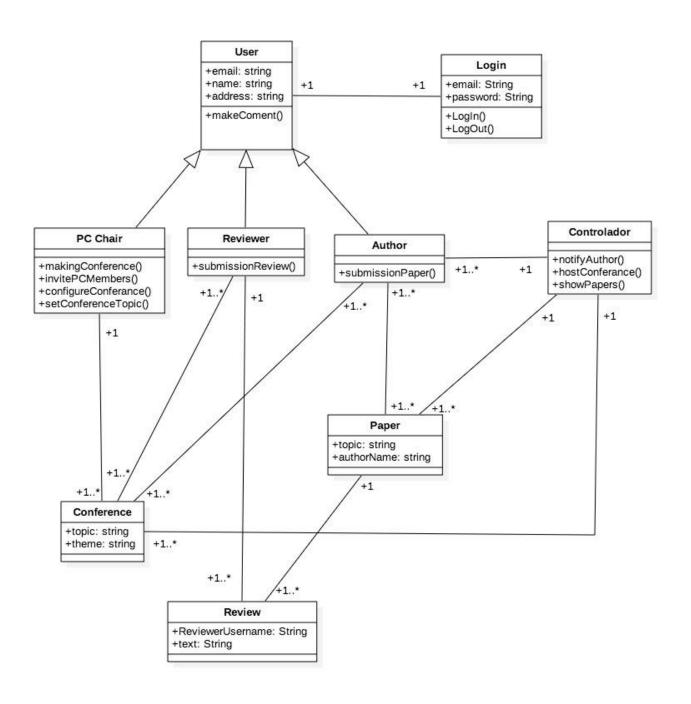
- ## Invite PC to conference

Story: pc chair wants to invite users to belong to pc committee as a pc chair I want to invite users to conference, so I can have committee to evaluate papers.

Scenario 1: invited user accepts.

Scenario 2: invited user rejects.

# Class Diagram

# 2 Additional Functionalities

- Chatbot

Our idea is to create a chatbot to clarify doubts to the users about easy chair. The user writes a question on a chat and a bot answer automatically to the user, this is helpful because the easy chair has many functionalities and for a new user it can be difficult in the beginning understand all, and search for the doubts can be longstanding.

- Remove Papers

Our second idea to improve easy chair platform is the possibility to remove papers. The main goal behind this idea is to remove the least-rated papers and keep the best ones. Another advantage of this is to avoid an overlapping of papers.

# Test Cases

- ## Create conference

Require: Create a Conference OK

Pre-condition: PC Chair registed & authenticated

| Steps | Expected Results |
|---|---|
| 1. PC Chair navigate to <create conference > | 1. PC Chair navigate to "conference form". |
| 2. PC Chair enter the <form information> | 2. PC Chair can enter the <form information> |
| 3. PC Chair click in submit | 3. Show conference <details> |
| 4. Conference controller check the < form>. | 4. Form got approved by the conference controller. |
| 5. Conference controller send < email > | 5. Conference controller sent an email. |
| 6. PC Chair Install <conference> | 6. Conference Installed |

- ## Invite PC to conference

Require: Invite PC Chair to a Conference OK.

Pre-condition: PC Chair registed & authenticated.

| Steps | Expected Results |
|---|---|
| 1. PC Chair enter the <names> on <email form> | 1. Names entered in the email form |
| 2. Conference controller send <email> to Members | 2. Conference controller sent <email> to Members |
| 3. PC Chair open Email | 3. Email opened |
| 4. PC Chair clicks accept button | 4. Show a message of acceptance |

- ## Login

Require: Login OK.

Pre-condition: User registed.

| Steps | Expected Results |
|---|---|
| 1. User enter the <username> on <Login form> | 1. User can enter <Username> |
| 2. User enter the <password> on <Login form> | 2. User can enter <Password> |
| 3. User clicks submit button | 3. Show message "login successful" |

- ## Assign papers to PC Members

Require: Assign papers to PC Members OK.

Pre-condition: User registed & authenticated

| Steps | Expected Results |
|---|---|
| 1. Paper assign controller to 3 expertise's | 1. can select 3 expertise's |
| 2. Paper assign controller send <email> to expertise's | 2. Email Sent to expertise's |

- ## Submit Papers

Require: submit papers OK.

Pre-condition: Author registed & authenticated

| Steps | Expected Results |
|---|---|
| 1. Author upload a <paper> | 1. Paper uploaded fine |
| 2. Author enter a <title> | 2. User can enter the <title> |
| 3. Author fill the rest of the <form> | 3. The rest of the form was filled |
| 4. Author click Submit button | 4. Show message "submit successful" |
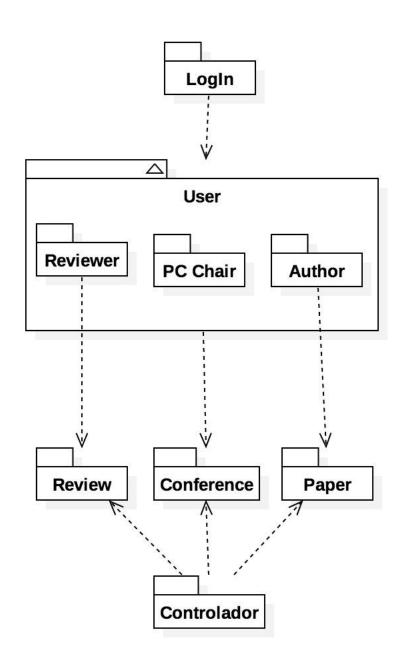
- ## Review Papers

Require: Review Papers OK, with no ties.
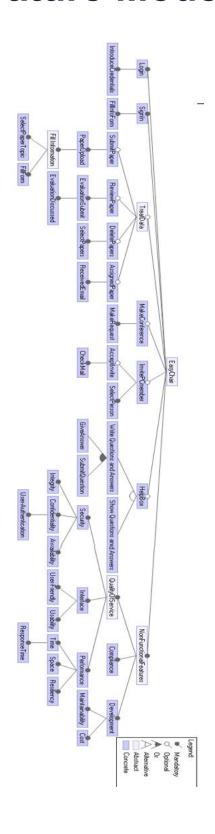
Pre-condition: Committee members registed & authenticated

| Steps | Expected Results |
|---|---|
| 1. Committee give <evaluation> | 1. Committee can give <evaluation> |
| 2. Committee give classification <grade>. | 2. Committee can give classification <grade>. |
| 3. PC Chair controller send <email> with the grade. | 3. Email sent. |
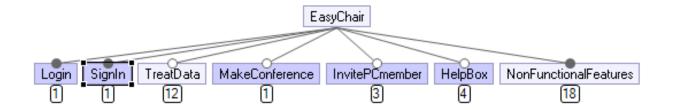
# Package Diagram

# Feature Model

# Feature Model – Part I



# Feature Model – Part II

# Feature Model – Part III

# Component Diagram

# Prototype

Prototype Site: https://nunofilipecsp8.wixsite.com/easychairplus

- <span style="color:orange">Login</span>



*Figure 1: LogIn Form*

- ## Create conference

### Conference Instalation Request

If you would like to install EasyChair for an event, such as a conference, please fill out the following form and press the 'Request' button. If you provide sufficiently many details and we find no problem with your request, it will normally be granted within a few hours. If there is any problem, we will contact you by email but this may delay handling your request considerably. To ensure that your request is granted without a delay please read carefully the information accompanying the form.

In the form below mandatory fields are marked by (*). The explanation of some fields follows. Please fill out your conference inf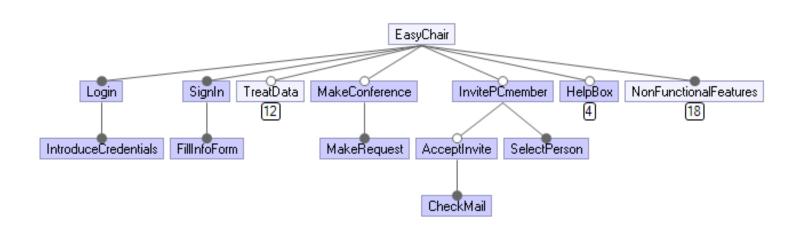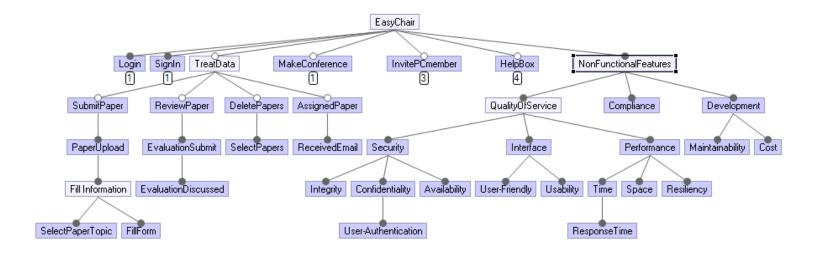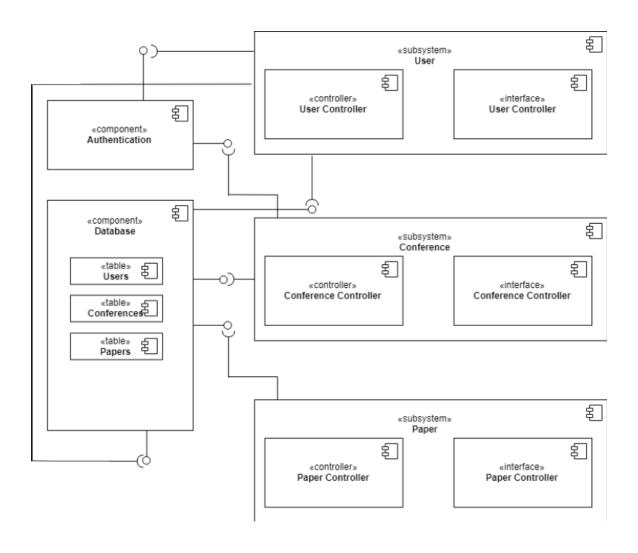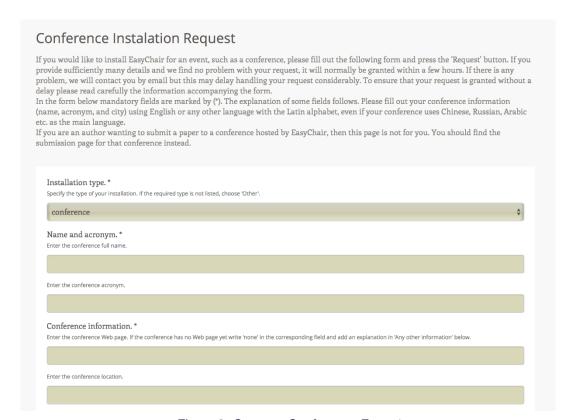ormation (name, acronym, and city) using English or any other language with the Latin alphabet, even if your conference uses Chinese, Russian, Arabic etc. as the main language.

If you are an author wanting to submit a paper to a conference hosted by EasyChair, then this page is not for you. You should find the submission page for that conference instead.

Installation type. *
Specify the type of your installation. If the required type is not listed, choose 'Other'.

conference

Name and acronym. *
Enter the conference full name.

Enter the conference acronym.

Conference information. *
Enter the conference Web page. If the conference has no Web page yet write 'none' in the corresponding field and add an explanation in 'Any other information' below.

Enter the conference location.

*Figure 2: Create a Conference Form 1*

Dates. *
Enter the conference end date. The date must be in the format yyyy-mm-dd.

| MM | DD | YYYY |
|----|----|------|
|    |    |      |

Research areas.
Identify the main research area to which the conference belongs. If your conference fits into more than one area, specify the secondary area.

Organizer. *
Enter organizer's name.

The Web page is mandatory if the organizer has a Web page.

Other information. *
Enter your role in the conference.

☐ I confirm that I have read and understood Policy On Conferences Using EasyChair and have informed, or will inform, the relevant conference organisers about this policy

*Figure 3: Create a Conference form 2*
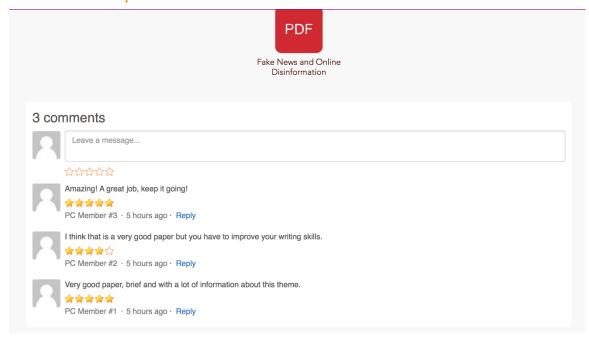
- Review Papers



*Figure 4: Review Papers Form*

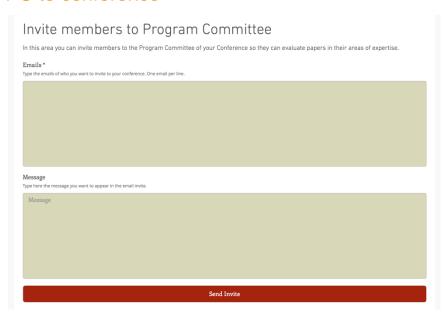- Invite PC to conference



*Figure 5: Invite PC Chair to Conference Form*

- ## Submit Papers



*Figure 6: Submit Papers Form 1*



*Figure 7: Submit Papers Form 2*