

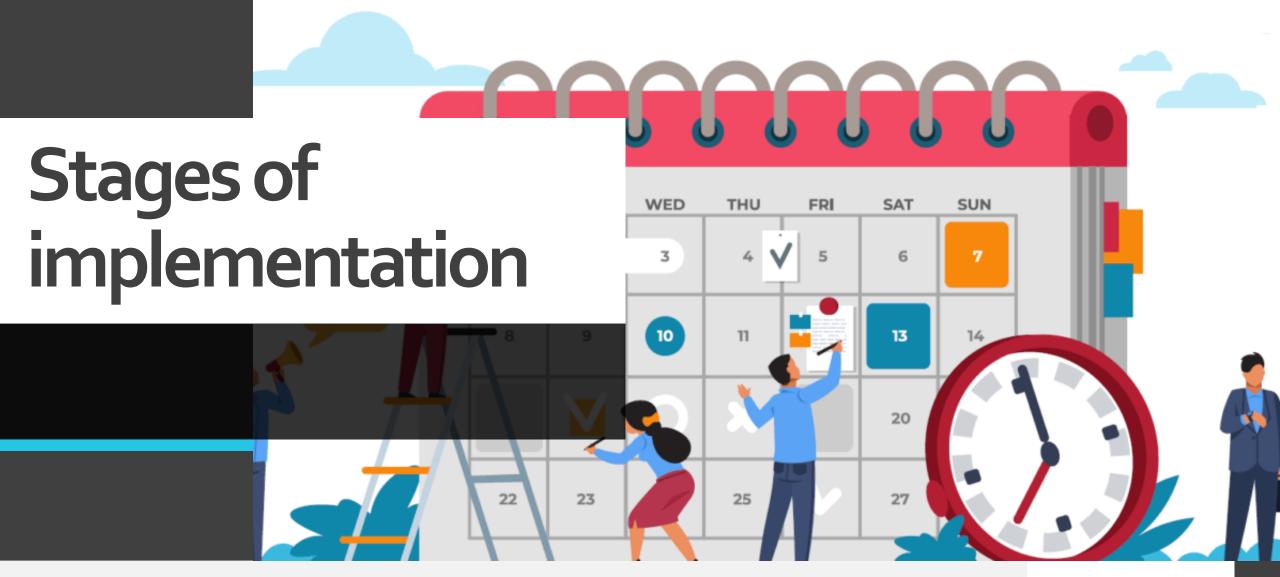
# Conference Management System





# **BRIEF DESCRIPTION**

- The application manages conferences and users.
- There can be 4 types of users associated with a conference: chairs/co-chairs, speakers and listeners
- Data associated to each event consists of: proposals, evaluations, deadlines, papers, presentations, etc.
- Paper submissions can be presented by the users for evaluation after they register/ log in by fulfilling necessary information.
- Papers can only be submitted before the deadline.
- PC members then bid and review the proposals.
- Selected papers are then presented by their speakers (the users which submitted the proposals) in the context of different sections of a conference.
- The functionality of the Conference Management System is contained in the automatic management of information related to events: adding conferences, setting deadlines for all of the submission dates, start and end times of conferences, submitting, bidding and reviewing proposals, viewing details of the conferences, extending deadlines, purchasing a ticket for a conference, etc.



# STAGES OF IMPLEMENTATION

#### RESEARCH

- In this phase we focused on evaluating the requirements and understand them
- Chose the technologies
- Tried to sketch some ideas about how the application will function based on our chosen technologies

#### DIAGRAMS

• In this step our main goal was to better understand and acquire more knowledge about how our application should work by designing different diagrams

#### MOCKS

- At this stage, after having a more complex idea about the application, we designed the frontend
- At the end of this stage, things were much more clearer about how everything should work

#### CODE

- The most challenging phase
- We were guided by tasks assigned to each of us
- Taught us how to work as a team and help each other out when needed

#### TESTING



# **USEDTECHNOLOGIES**

#### PROGRAMMING LANGUAGES

• The programming language chosen for the implementation of this project's backend was Java. We chose Java because we all had a background in object oriented programming and knew the strengths of this language. Layered architecture and the Spring Framework were used in the implementation. Angular (TypeScript) was chosen for the frontend development because of its versatility and ease of use.

#### ORM

• The Hibernate ORM Framework was used for mapping the object oriented domain models to the relational database tables.

#### DIAGRAMS

• Diagrams are of utmost importance in software development, enabling the developers to understand and visualize how the implementation should unfold. UML diagrams are used to communicate different aspects and characteristics of the system, and how it should behave under different circumstances and different triggers. Diagrams are a powerful tool in understanding how a system should work, but they don't have to include all the finer details of the implementation.

#### VERSION CONTROL

• Git and GitHub were used for the version control system, as they are widely used and known for their reliability and ease of use.

#### UI PROTOTYPING

• Mockups were drawn before the implementation of the frontend because they are a high fidelity visual representation of the GUI, enabling the team to better design the layout and functionality of the website pages by which the user interacts with the application.



- HOMEPAGE
  - The homepage of the application is available to everyone, including users that are not logged in in order to provide accessibility to a wider target group
  - For each conference, more details are available when pressing the Details (1) button. Three tabs appear each with different information related to the conference: General Info (2), Program Committee Members (3), Deadlines (4)
  - The user should be able to press the Interested (5) button and the conference will be added to the conference list of the user
  - Pressing the Apply (6) button allows the user to submit his/her own proposal

My Conferences My Submissions

#### **Football Theories**

6/1/20, 1:00 PM - 6/30/20, 1:05 PM

General Info

1 DETAILS

#### Fitness and Nutrition

6/1/20, 1:05 PM - 6/30/20, 1:05 PM

General Info

**DETAILS** 

#### **Business Plans**

6/1/20, 12:00 PM - 6/30/20, 12:00 PM

General Info

DETAILS

#### **Fitness and Nutrition**



General Info

**Program Committee Members** 

**Application Details** 

General Info

#### **Fitness and Nutrition**



General Info

3

**Program Committee Members** 

**Application Details** 

Aaron Smith

Michael Ball

#### **Fitness and Nutrition**

Interested

General Info

**Program Committee Members** 

**Application Details** 

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Conference will begin on 6/1/20, 1:05 PM and end on 6/30/20

The deadline for sending proposals is: 6/2/20

The deadline for assigning reviewers is: 6/3/20

The deadline for proposals evaluation is: 6/17/20

The deadline for results of the evaluation is: 6/24/20





CONFERENCE DETAIL PAGE

Log In Sign Up Log In Sign Up Username Username Full Name Password Affiliation Don't have an account? Register here Email Password Already have an account? Log-In here

#### LOGIN AND SIGNUP

- Each user that has access to the application has the possibility to sign up by pressing the Sign Up tab in the nav bar
- Here he must provide some specific information in order to be registered in the system with an account
- Each user that already has an account can log in by pressing the Log In tab in the nav bar. If the user does not have an account, he can press the Register button which redirects him/her to the Sign Up page
- He must provide a valid username an password in order to have access to his/her account

#### MY CONFERENCES

- Here all conferences related to a logged in user with a specific role are available
- The user is able to add a new conference
- For each conference the user can:
  - Proposal phase: press the Bid button and send a Bid Result for a specific paper
  - Assign phase: press the Assign Reviewers button and assign reviewers to the proposals from the conference
  - Evaluate phase: press the Review button and send a review for a specific paper; press the Recommend button and send a recommendation
  - Result phase: results should be displayed for each paper
  - In each phase, the owner is able to postpone the deadline of the phase by pressing the Edit button

#### Conference Editor

Title **Business Plans** General Info General Info Start date 01-Jun-2020 12:00 PM End date 30-Jun-2020 12:00 PM Proposal Deadline 10-Jun-2020 12:00 PM Assignment Deadline 17-Jun-2020 12:00 PM Check to add as Co-Chair Aaron Smith Michael Ball Add

#### Conference Editor

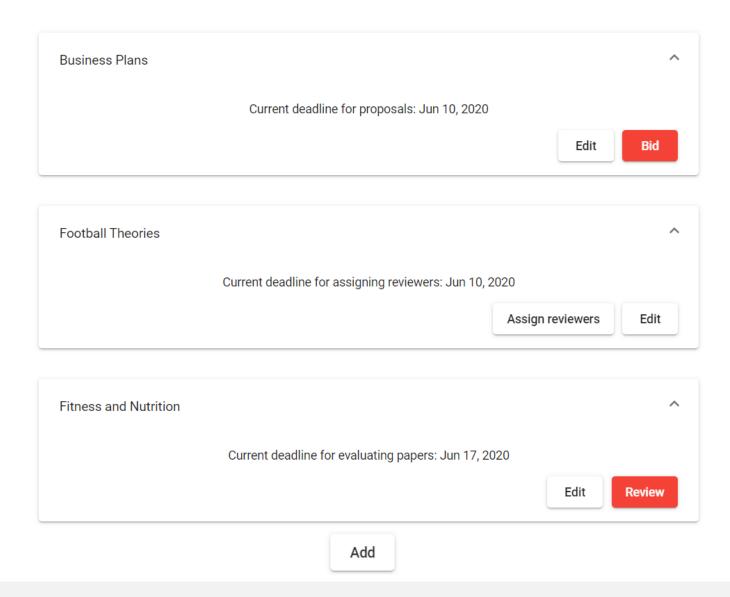
Days

Postpone proposal deadline

ADD/ EDIT CONFERENCE

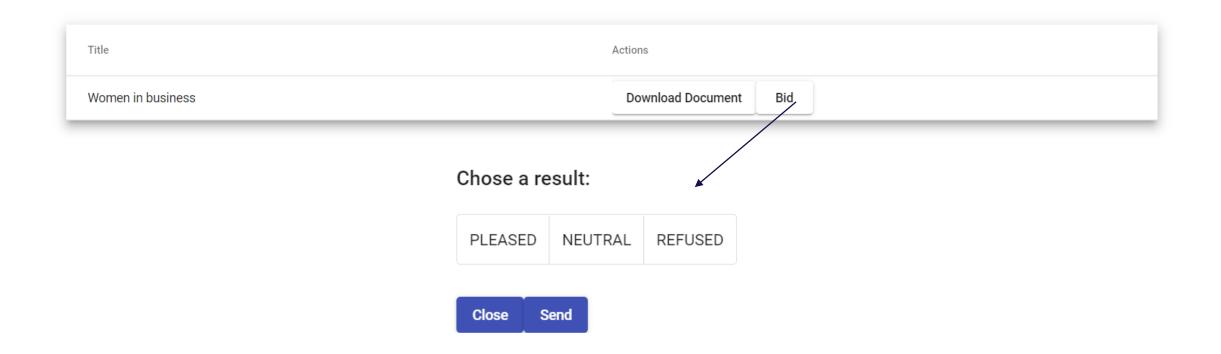


# **My Conferences**



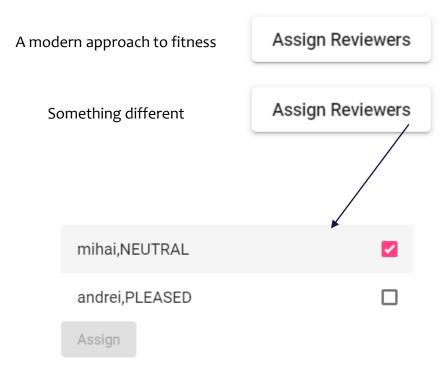
VIEW ALL CONFERENCES

## **Bid**



BID

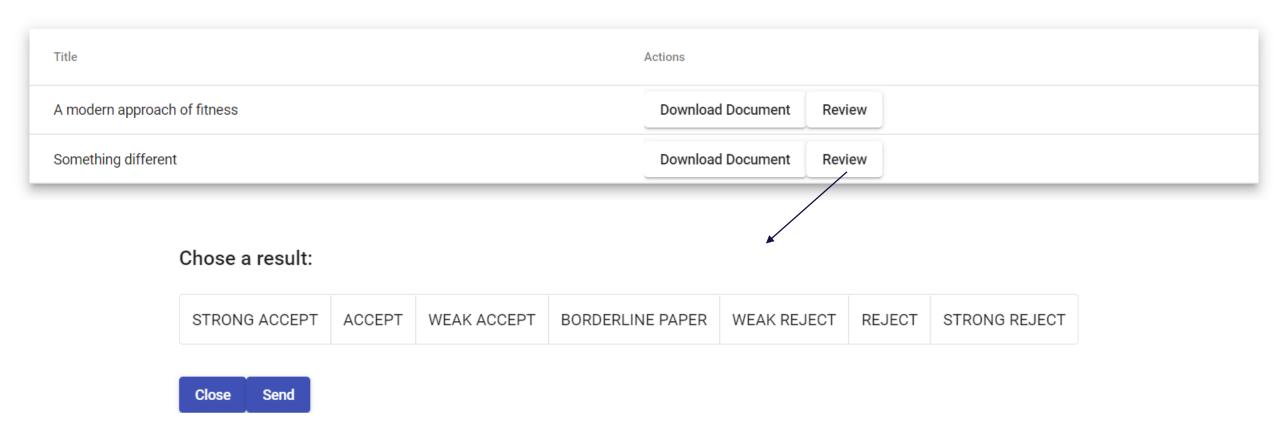
# **Submissions**



Between 2 and 4 reviewers should be selected

Add a footer

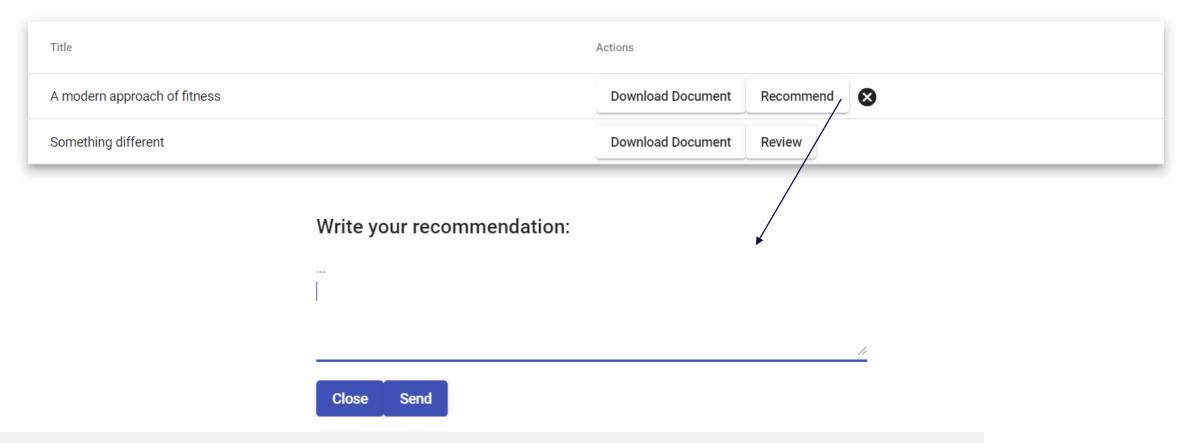
## **Review**



REVIEW

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## **Review**



Add a footer

- MY PROPOSALS
  - Accessible from the nav bar My Proposals tab when the user is logged in
  - Here all submissions of a user are shown along with their correspondent details

# **My Proposals**

Title 1	Status	Abstract URL	Full URL	Recommendation
Submission0	2	abstract paper URL	full paper URL	-
Submission1	2	abstract paper URL	full paper URL	-
Submission2	2	abstract paper URL	full paper URL	-
Submission3	2	abstract paper URL	full paper URL	-
Submission4	2	abstract paper URL	full paper URL	-

