



UNIVERSITÀ
DEGLI STUDI
DI PADOVA



Department of Information Engineering

Master's Degree in Computer Engineering

Development of a web app



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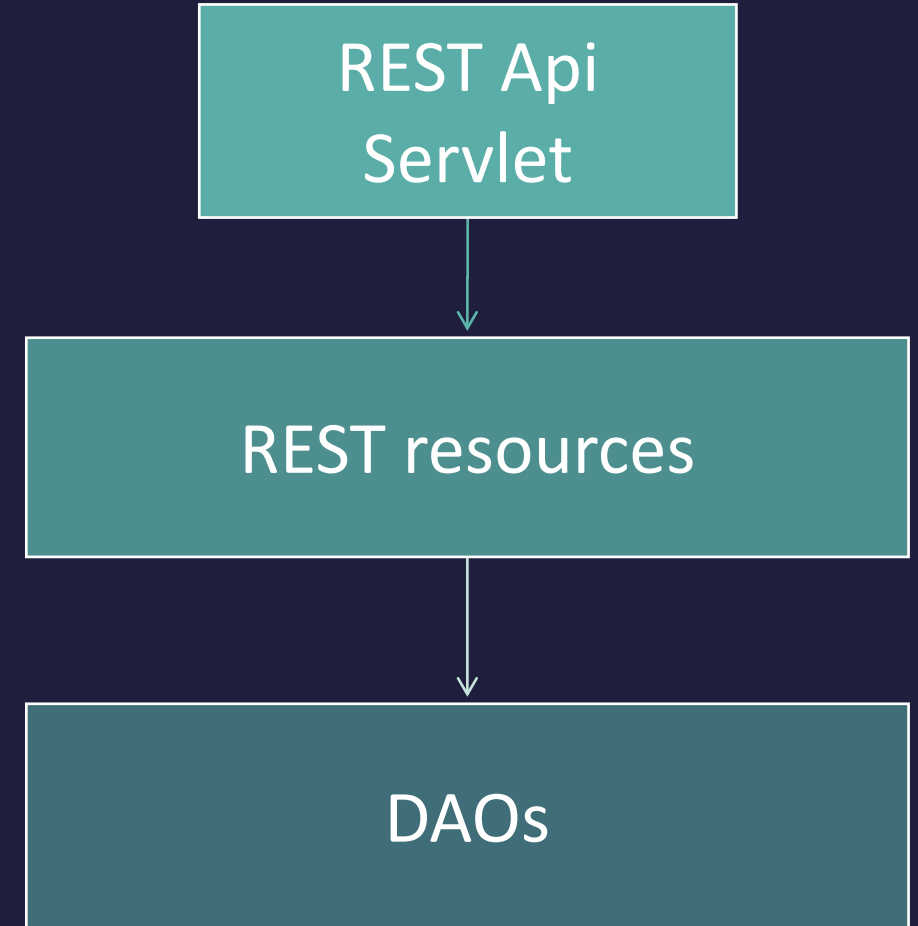
What is HyperU?

- ☐ Share your ideas and find new peoples that have the right skills to become your new coworkers of your dream's project!
- ☐ Follow topics of your interest to have a customized feed!
- ☐ Create new teams for your ideas and use the chat to interact!



Back-End Structure

- ❑ **REST Api** with response sent in JSON
- ❑ **RestApiServlet** that forwards the request to the proper REST resource
- ❑ Access to database using **DAOs**
- ❑ Part of the URIs are filtered through different **filters**





Example of REST Api: mapping CRUD operations

POST: api/idea

Post a new idea

GET: api/idea/{ideaID}

Get an idea with skills, topics and teams related to it

PUT: api/idea/{ideaID}

Update an idea

DELETE: api/idea/{ideaID}

Delete an idea



Example of Server – Client communication

Operation

POST: api/idea

All Responses:

> 200 Idea created

> 304 No elements added to the database

> 400 Some field are missing or the JSON input is malformed

> 405 User not logged in

> 500 An error occurred

Success Response

```
{
  "message": {
    "message": "Idea created."
  },
  "data": ideaID
}
```

Error 400 Response

```
{
  "message": {
    "message": "Title is missing.",
    "isError": true,
    "errorCode": -600
  }
}
```



Front-End style



Designed with Bootstrap



Icons taken from Feather



Usage of Ajax and JSON



Style with cards and two sidebars

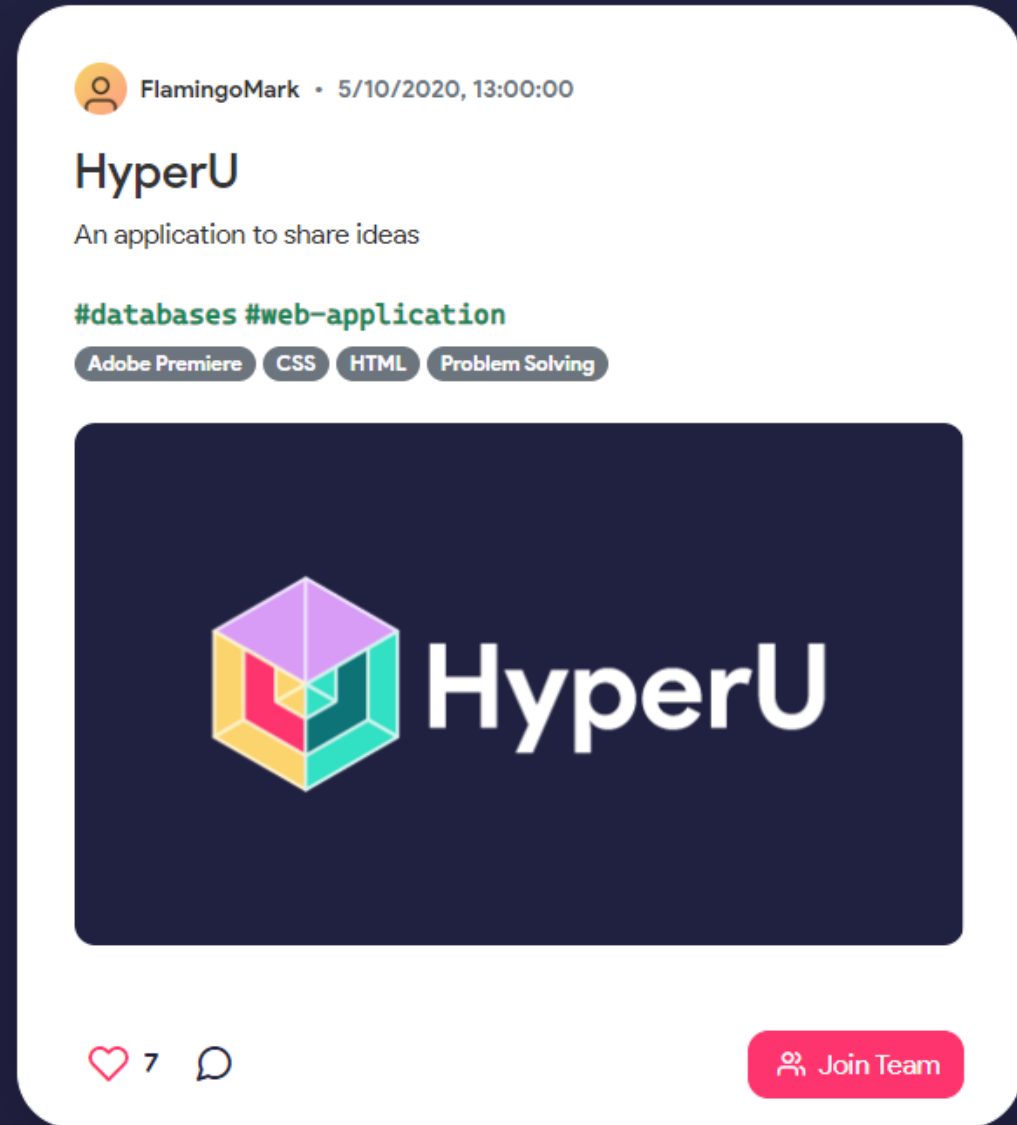


Header bar to access different functions



Homepage

- ❑ Customized feed based on topics followed by the user
- ❑ Like, comment or send a request to join the team





Team Chat Page

- ❑ Team chat customized with name, description and team image

- ❑ Send simple text or files





Profile Page

- ❑ Card with all the personal information of a user
- ❑ Edit profile buttons displayed only in the profile page of the logged user



Luca Martinelli
@luca.martinelli.09

[Edit profile](#) [Change password](#) [Logout](#)

About me

Nato a Verona il 24 settembre 1998, già da piccolo coltiva la passione per la musica, suonando il clarinetto nel Corpo Bandistico di Sona (VR), e per l'informatica. Ha studiato al Liceo Scientifico (Scienze Applicate) "Carlo Anti" di Villafranca di Verona, diplomandosi con 100. Si è laureato in Ingegneria dell'Informazione presso l'Università degli Studi di Padova. Attualmente sta proseguendo gli studi in Ingegneria Informatica.

[My website](#)
[Instagram](#)

📅 24 September 1998

👤 Male

Skills [+](#) [-](#)

Adobe After Effects

Adobe Illustrator

Adobe Photoshop

Adobe Premiere

CSS

English

HTML

Italian

Java

JavaScript

Leadership

Microsoft Office

PHP

Problem Solving

Python

SQL

Team Work

Interests [+](#) [-](#)

#audio-engineering #cooking #databases #machine-learning #movies #web-application





Moderator & Admin Page

All Moderators	List and manage banned users
All Moderators	List and manage all available skills
All Moderators	List and manage all available topics
Only Admins	List and manage moderators

Moderators

[+ Add moderator](#)

Username	Email
 salber01	stefano.alberton01@gmail.com
 gre.vincenzini	greta.vince@gmail.com



Banned

[Ban User](#)

Username	Email
 Marta_Esposito	marta.esposito@gmail.com

Skills

[+ Add skill](#)

Name	Description
  Adobe After Effects	Ability to use Adobe After Effects



Mobile version

- ☐ Resize for smaller screen
- ☐ Access to teams and request from buttons instead of sidebars
- ☐ Can be installed as Progressive Web App



Search ideas or profiles



Luca Martinelli • 3/6/2020 15:18

HyperU

A webapp in which users can share project ideas and create teams based on required skills to realize the project.

[Mostra altro](#)

#web-applications

HTML

Java



420



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Sei già nel Team!



THANK YOU FOR THE ATTENTION

