JAC

JOBSACADEMY

FONDAZIONE

JAC
JOBSACADEMY
FONDAZIONE

Jobs Academy is an ITS, Higher Technical Institute, a vocational alternative to university courses.

JAC trains highly skilled technicians in strategic **technological areas**, thanks to a partnership with **over 2500 companies**, who work alongside JAC every day developing and transferring skills in our courses.
The mission at Jobs Academy is to **foster and accompany the growth of each individual**, putting their personality and attitudes at the centre of every educational-organizational choice.

"OUR WORK ENDS WHEN YOURS BEGINS" (Founder, Daniele Nembrini)

Co-funded by the European Union

VETPROFIT

JAC
JOBSACADEMY
FONDAZIONE

Software Area

- Web Development
- Cloud Development
- AI-Integrated Web Development
- IT systems management
- Cyber Security
- Business Software Consultancy

Technical Area

- Mechatronics and Integrated Systems 4.0
- Design experience & Digital communication
- Design and Materials Technology
- Design and 3D Modelling
- Mechatronics and Industrial Automation 4.0

Design Area

- Digital Painting and Comics

Co-funded by the European Union

VETPROFIT

JAC
JOBSACADEMY
FONDAZIONE

Business Area

- Finance, Banking and Insurance
- Economics and Management Control
- HR Management

Green Area

- Building And Energy District Management
- Sustainable construction
- Energy and innovation

Marketing Area

- International Marketing Management
- Customer Management
- Marketing for Art and Cultural Heritage
- Store Management
- International Tourism & Digital marketing strategies
- Digital Marketing & social media
- Marketing & Sales

Co-funded by
the European Union

VETPROFIT

Project: JAVASCRIPT WEB BACK-END APPLICATION - OUTLINE

JOBSACADEMY FONDAZIONE

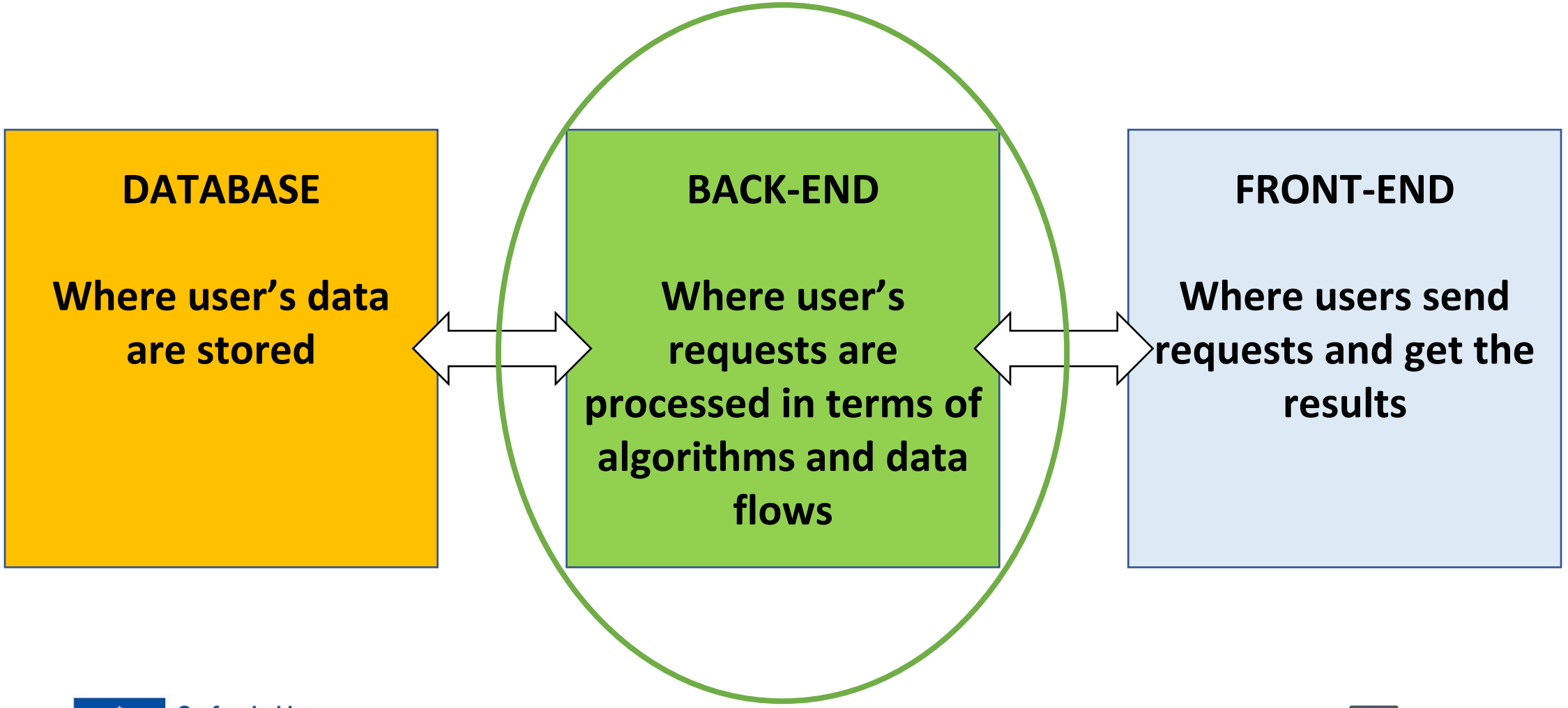
- Area: ICT – Software Development
- Target students: Web Development class II year of Jobs Academy

- Problem: the gap between the needs of modern software companies and the skills of junior web developers
  - JavaScript is even more popular but often not emphasized in ‘traditional’ ICT & web studies, especially for the back-end of web systems
- Goals: acquiring knowledge & skills on developing back-end of Web systems with the JavaScript language

Co-funded by the European Union

VETPROFIT

WEB SYSTEMS: BACK VS FRONT



Co-funded by the European Union

Project: JAVASCRIPT WEB BACK-END APPLICATION - WHAT

JAC JOBSACADEMY FONDAZIONE

- 27 students, subdivided in groups
- Each group proposed & developed their proper Web project

- A local Italian SME was involved for the skills about JavaScript
  - Giacomo Bello (https://www.belloinfo.it/)
  - He was involved as teacher for all the phases

- Supervision by the manager of Web Development course
  - Diego Bernini (https://www.linkedin.com/in/diegobernini/)

Co-funded by the European Union

Project: JAVASCRIPT WEB BACK-END APPLICATION - HOW

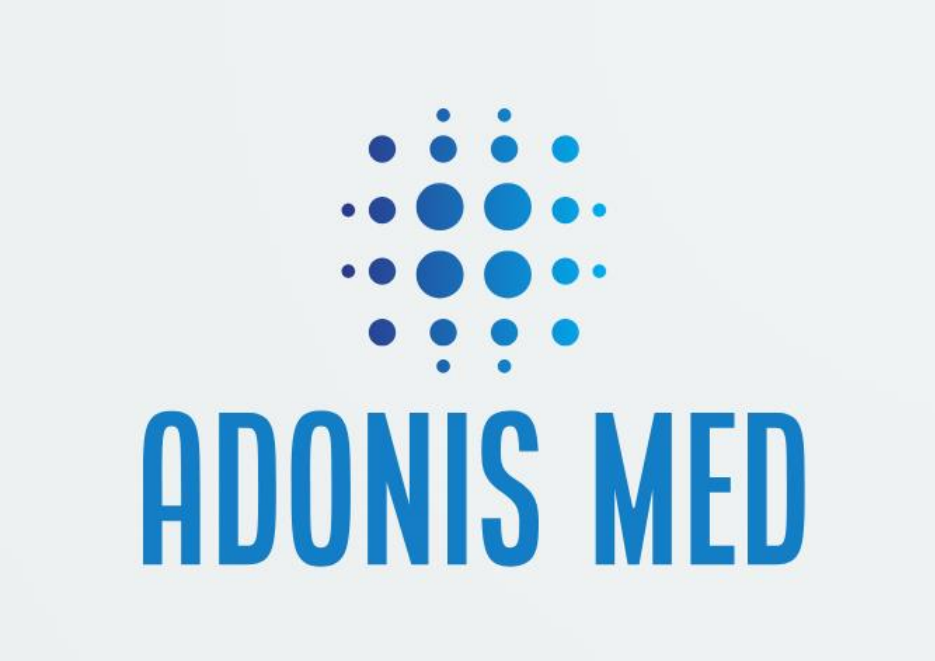
JAC JOBSACADEMY FONDAZIONE

- PHASE 1: foundational course (28 hours) about the basic of JavaScript for back-ends and how to conduct the project
- PHASE 2: each group proposed and developed a basic version of the project
- PHASE 3: consolidation of the basic version resulting from PHASE 2

Co-funded by the European Union

VETPROFIT

ADONIS MED



A Web system for doctors

1. **Managing patients**
2. **Manage bookings**
3. **Managing group of doctors**

Co-funded by the European Union

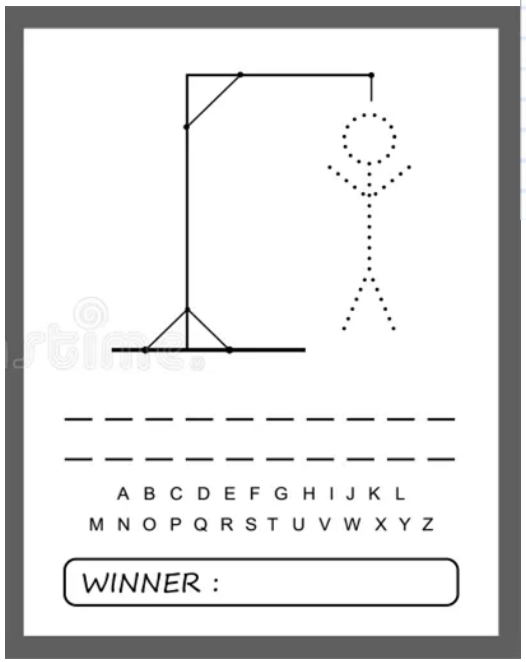
A Web system for collecting cooking recipes

1. Saving user recipes

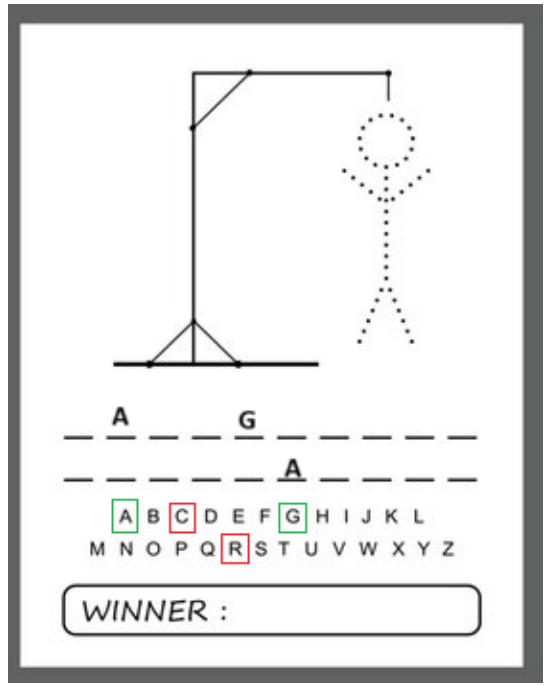
2. Searching the recipes of the community

Co-funded by the European Union

HANGMAN GAME



A Web version of the hangman game



Co-funded by the European Union

Lessons learned

- Role of teacher-mentor from the local company is crucial

- Importance of an authentic project: a project that has been proposed by the students, not imposed by the teacher

Co-funded by the European Union

Thank you for your attention!

VETPROFIT

Co-funded by the European Union

Funded by the European Union. Views and opinions expressed are however those of the author(s) only and do not necessarily reflect those of the European Union or the European Education and Culture Executive Agency (EACEA). Neither the European Union nor EACEA can be held responsible for them.