

Advanced Dev Web

- 1 demonstration topic/student: to present 20 minutes + 10 minutes Q&A
- 1 online lab with Spring + React or Angular Javascript framework
- 1 main web project with Spring + JS by team of 3 student and a final demo
- 1 planning poker to evaluate tasks
- 1 tool to track tasks as taiga.io (include my account for supervision)
- 1 github.com repository (include my account for supervision)

Demonstration topic:

- React native
- VueJS 3
- NodeJs & Express
- Svelte
- Ember.js
- Maven & Gradle
- Docker
- Django
- SASS & LESS
- Backbone.js
- Alpine.js
- Bootstrap
- Jenkins
- Meteor
- Mithril
- Preact
- MongoDB
- Symfony
- Aurelia
- Next.js
- Nginx & load balacing
- others Web topics ...

17	SEPT. 2024, MAR.		14:15 à 17:30
1	OCT. 2024, MAR.		14:15 à 17:30
15	OCT. 2024, MAR.	●	14:15 à 17:30
22	OCT. 2024, MAR.	●	14:15 à 17:30
12	NOV. 2024, MAR.	●	14:15 à 17:30
29	NOV. 2024, VEN.	●	14:15 à 17:30
3	DÉC. 2024, MAR.	■	14:15 à 17:30
10	DÉC. 2024, MAR.		09:30 à 12:45 Final Demonstraiton

- = 2 demonstrations by day
- = 3 demonstrations by day
- = if needed / to do it again

Ressources

- Finish the online lab to learn Spring + JavaScript framework
<https://pierrejean.wp.imt.fr/>
 - > "IMT Mines Alès" > Spring boot with Angular or React

Main web project :

- With a group of 3 students, a Spring backend and JS frontend
- Collectif project, everybody works on all piece
- Size the project to fit into the timeline
- Time management of tasks is important

Deliverables (deadline mid-term) :

- User stories as non-technical way
- Technicals tasks derived from User stories
- Tasks time evaluations
- API lists
- API Postman-like test scenario
- UML class diagram
- UML sequence diagram
- Wireframes interfaces
- Github source code commit each session
- Database schema
- JSON data exchange format

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At start online:

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About the demonstration :

- Please, do a technical demonstration to software engineer
- Demonstrations are at the beginning of the course
- Technical oriented Web Development
- Minimum slides like 3 ou 4
- Demonstration is noted

By sprint :

- Define a user stories as non-technical way
- Convert user stories to technicals tasks
- Use planning poker to evaluate tasks
- Assign someone on tasks

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