

# Hands-On – Lab. 6.2

## Agile Project (Scrum)

- Homework
- Components Installation
- Application Architecture Patterns
- Components & Deployment Diagrams

December 14, 2022



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- **Task (Until 4-Jan)**

- 1. Update/Manage your Trello Project**
- 2. Define/Pick the items for the 1<sup>st</sup> Sprint**
- 3. Start the Sprint(Development)**
- 4. Send me -> Software Requirements Document (pdf)**
  - Use Cases / User Stories
  - Product Backlog Items
  - Sprint Backlog Items
- 5. Send me -> Software Design Document (pdf)**
  - Classes Diagram (x1)
  - Activity Diagram (x1)
  - Components Diagram (x1)
  - Deployment Diagram (x1)

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- **Pre-Task**

- 1. Transform your Windows system into a Linux based host**

- Using **Windows Subsystem for Linux** (aka. WSL)
- Only Windows 10 & 11 are supported

- **Windows 11 commands:**

- **Open:** *Windows Command Window*
- **Type:** *wsl --install*
- **Type:** *wsl --list --online*
- **Type:** *wsl --install Ubuntu* (**optional:** *install also other Linux Distribution from the list*)

- **Warning:** If you have a **Windows 10** based system -> **Ask for Help**

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### • Goals

- Using **diagrams.net** create a few diagrams representing the system you are going to develop
- Start thinking deeply about the structure of your **system components and deployment options** and the technology needed to support the business requirements
- Represent your findings with **UML** based diagrams



#### Security-first diagramming for teams.

Bring your storage to our online tool, or go max privacy with the desktop app.

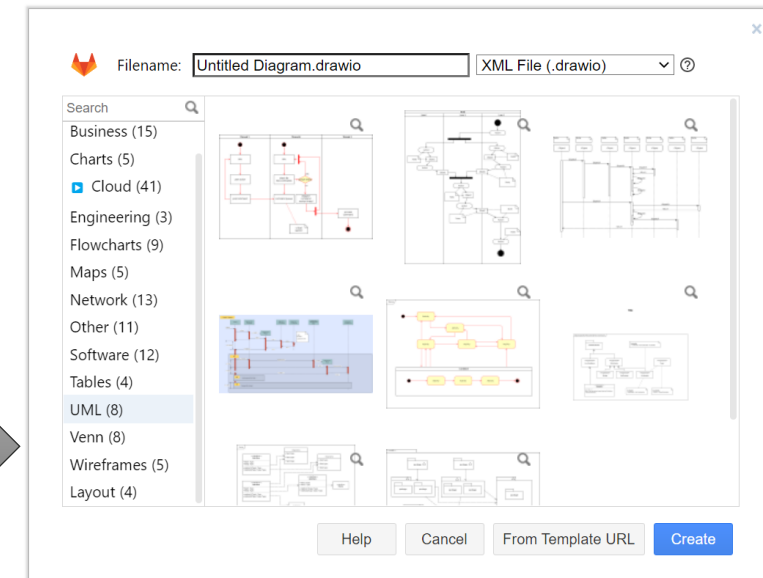
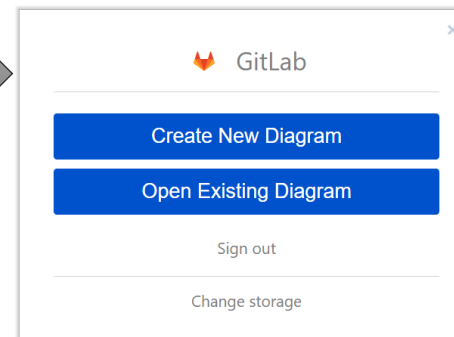
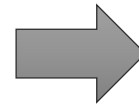
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- **Task**

1. As a **Team**, access to **diagrams.net** and use a UML template to create the diagrams
2. Create at least the following diagrams :
  - **One Components Diagram**
  - **One Deployment Diagram**
    - **Obs.** Check the UML bibliography provided and google the Internet about Components and Deployment Diagrams
3. **Export** your diagrams **“As pdf”** and keep it with you
  - **Warning: Don’t export** diagrams as images (png, jpeg, etc)
4. You will use these diagrams to include in your **Software Design** documentation