Documenting and Communicating Software Architecture
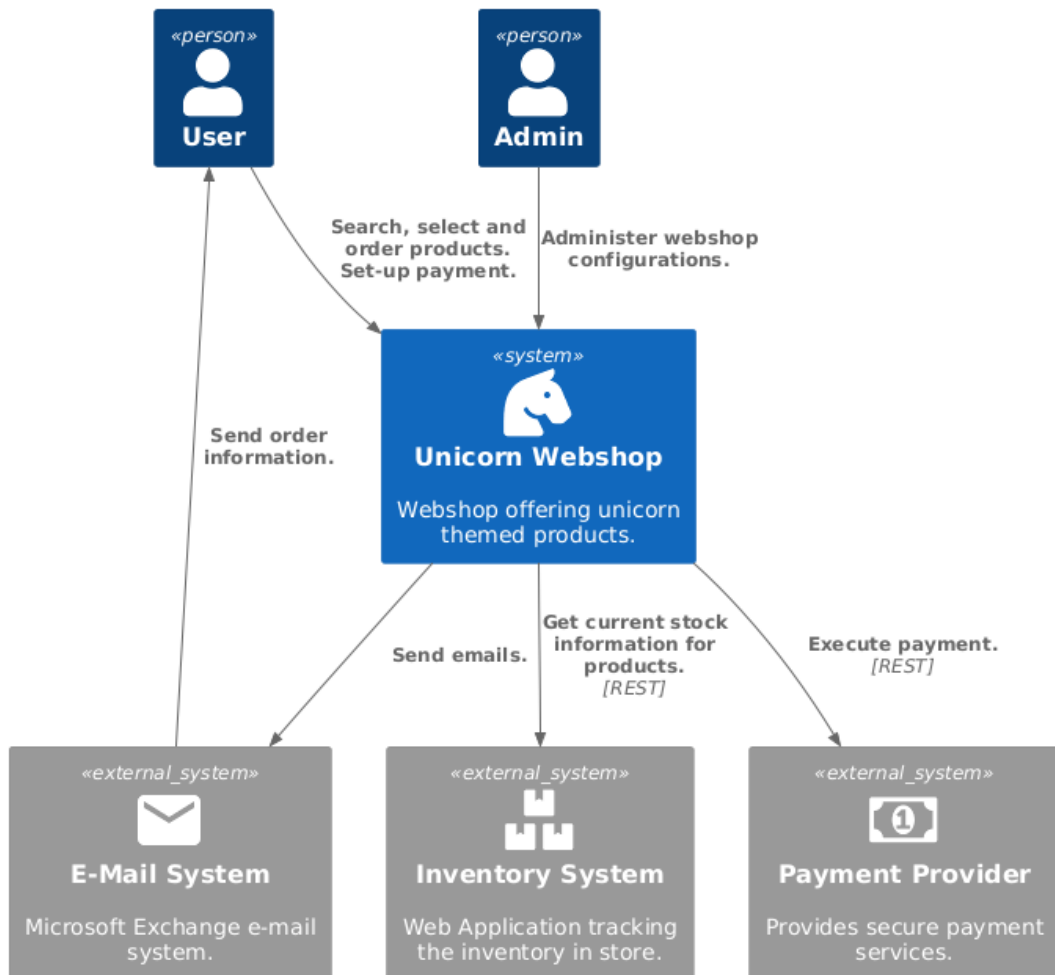
PlantUML in Markdown

Directly in file

- ✔ works nicely in preview in **Visual Studio Code** (using Markdown Preview Enhanced)
- ✘ does not work on **GitHub**, because GitHub does not natively support PlantUML
- ✔ works on **GitLab**, because GitLab supports PlantUML (untested)
- ✘ does not work using **GitHub action** with markdown-to-pdf

```
A -> B: abc
```

Rendered using GitHub action

- (✔) works in preview in **Visual Studio Code** - but outdated!
- ✔ works nicely on **GitHub**
- ⁇ requires different setup on **GitLab**
- ✔ works nicely with **GitHub action** with markdown-to-pdf

Bonus: Mermaid in Markdown

- ✔ Mermaid is natively supported in GitHub. So you can integrate Mermaid diagrams directly in Markdown and they will be rendered automatically
- ✖ Does not work in **GitHub action** with Markdown-to-PDF rendering

```
graph TD;
    A-->B;
    A-->C;
    B-->D;
    C-->D;
```