

# Documenting and Communicating Software Architecture

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## PlantUML in Markdown

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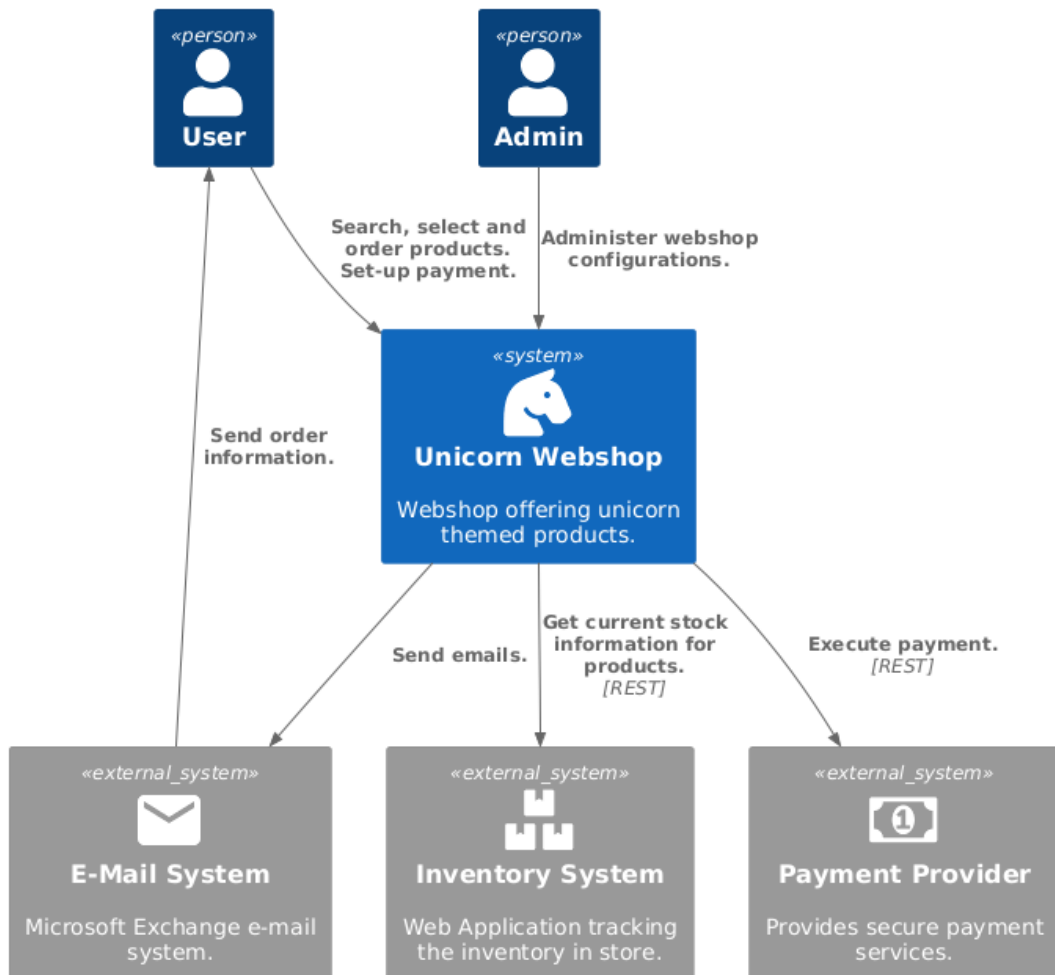
### Directly in file

- ✓ 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- ( ✓ ) works in preview in **Visual Studio Code** - but outdated!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;
```