# 1.2.2 Documentation Tools

/2.0 Conventions/2.2 Development Environment/1.2.2 Documentation Tools

# Markdown

Markdown for GitHub used to create all textual documentation.

# C4 Model

C4 model is a lean graphical notation technique for modelling the architecture of software systems. It is based on a structural decomposition of a system into containers and components and relies on existing modelling techniques such as the Unified Modelling Language (UML) or Entity Relation Diagrams (ERD) for the more detailed decomposition of the architectural building blocks. (C4 model, Wikipedia)

# Description

TODO: give description here.

### **Design Documenation**

Design documentation will be created using C4builder. This documenation tool supports Markdown documents and C4 Models using C4-PlantUML. This tool is integrated with VSCode with *PlantUML v2.17.3* plugn.

The C4Builder tool generates a Web site locally for view using at (http://localhost:3000) while developing documentation.

When editing design documentation the C4Builder can be run to automatically regenerate the site content with

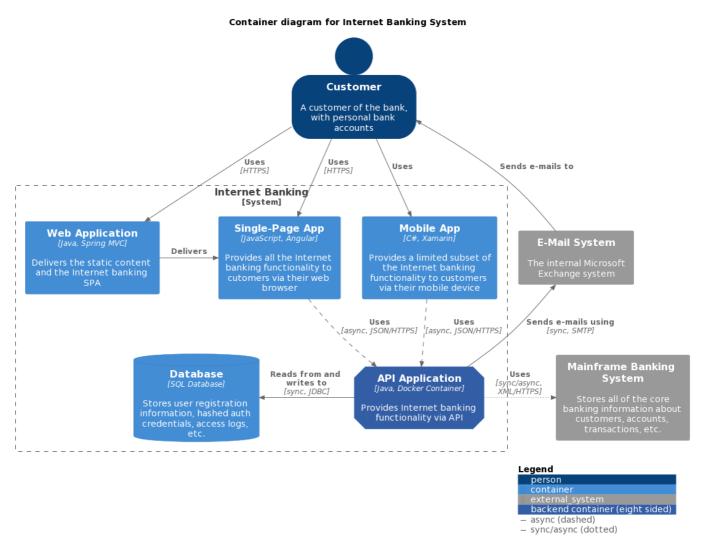
c4builder site --watch

To run the Web site locally

c4builder site

# C4-PlantUML

#### C4-PlantUML includes macros and stereotypes for creating C4 diagrams with PlantUML.



drawn with PlantUML v. 1.2022.7beta2 and C4-PlantUML v. 2.5.0beta1