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Week 7 – Software Architecture Document (SAD)



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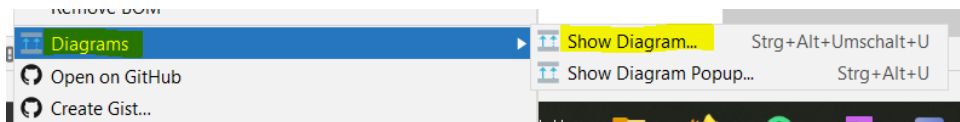


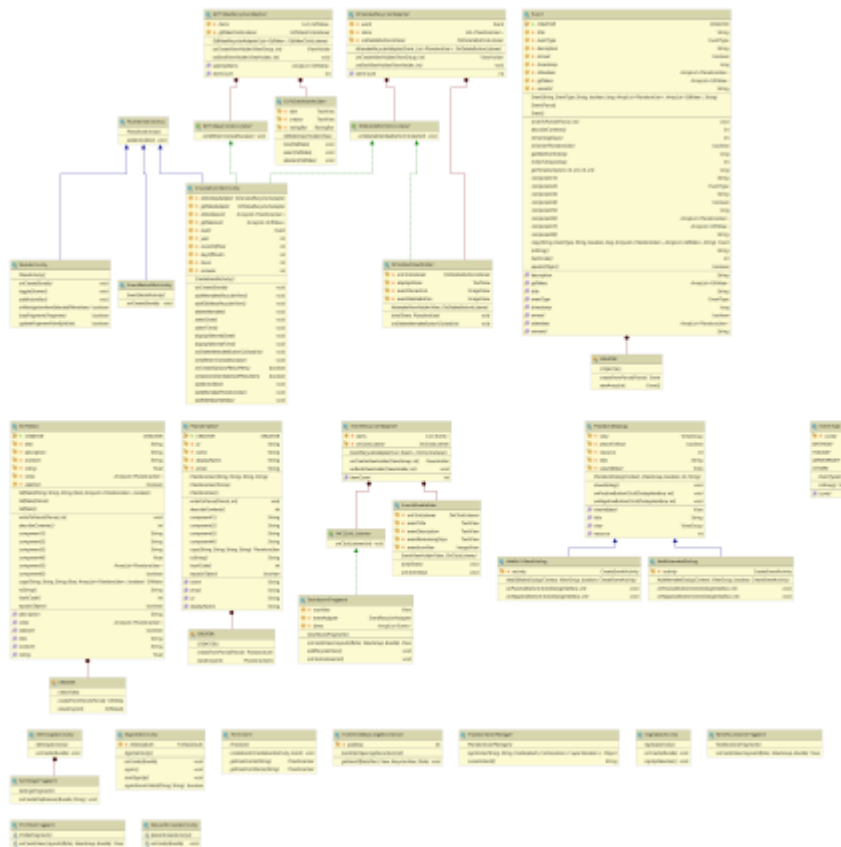
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In the last week, we wrote our Software Architecture Document (SAD) and generated our UML Class Diagram.

UML Class Diagram

There's a whole bunch of tools and plugins which promise to generate UML Class Diagrams from source code automatically. However, none of these supported Kotlin without extra work. Since Android Studio is based on IntelliJ Community Edition, even our main IDE itself is not capable of generating Class Diagrams. This is why we imported our Android Studio Project in IntelliJ Ultimate Edition and used the built-in feature to generate it. If you're aware of any other – more elegant – ways to manage this issue without switching the IDE, feel free to contact us!





Database Schema

As we use Firestore, our database will be a NoSQL Database. That means that any user and event (such as an upcoming birthday) is stored in a separate document. That's why it's not convenient to create a meaningful ER Diagram and why we created exemplary JSON documents.

Both the UML Class Diagram and the Database Schema can be found in our [SAD < https://github.com/Honrix/PlandoraDocumentation/blob/main/SAD/SAD.md >](https://github.com/Honrix/PlandoraDocumentation/blob/main/SAD/SAD.md).

Feel free to leave a comment! If you have any questions or suggestions, let us know!

Best regards

Plandora-Team


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