CSCI4448 Semester Project
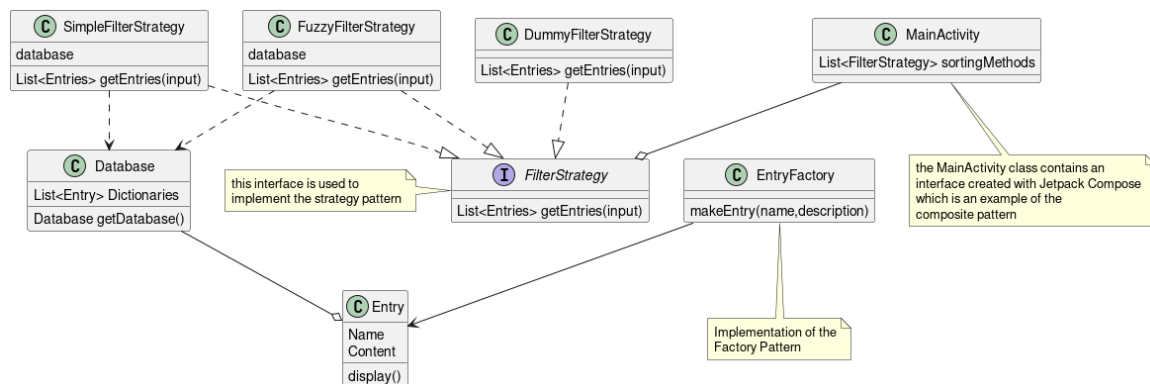
Definote- A dictionary/notetaking app

https://github.com/sesh9096/ooad_semester_project Team Members: Sean Shi, Jack Paulman
Tasks Accomplished:

- We produced a UML diagram and BDD scenarios to ensure all users of (Sean Shi)
- Built a Layout/UI using the Jetpack Compose framework which heavily uses Dependency Injection and Composition(Sean Shi)
- We implemented abstractions and some concrete classes for both the Entries and Sorting Strategies (Sean Shi)
- Search Bar (Jack Paulman)
- Adding and searching dictionary (Jack Paulman)

UML Class Diagram

Challenges

I(Sean Shi) am currently on a trip with the CU Taekwondo team for the National Collegiate Taekwondo Championship held at UC Berkeley, so we could not record a presentation together. The presentation is split into 2 parts, one is under the resources folder, The other is linked in the readme.
   `https://drive.google.com/file/d/1MmushJyZLlFWV2vwBFwLi_pSYTJPoOVA/view?usp=sharing`

Design Patterns

We are currently using the composite pattern in Jetpack Compose to create a UI. This allows us to next rows, columns, input fields, and other UI elements including a self defined element for displaying an entry

Tests/BDD

We were not able to achieve 80% coverage because our project contains a lot of methods for drawing UI elements. These are difficult to test. See github for further details.
   In terms of BDD, we have 2 scenarios written under `app/src/test/resources/features/`

Plans For next iteration

Next iteration, we plan to implement persistent storage, and add a StrategyBuilder for custom filter methods. We will also add a second activity(page) to show the detailed contents of each entry when it is clicked on. We will also try to implement methods of importing Entries.