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Activity Planner

Design specifications

# Problem domain

Organizing a persons daily activities with categories by allowing the user to keep track of their schedule and time.

## Target audience of interest:

* General public audience
* Employed people whose workflow bases around computers.

## Type of product:

* Desktop application tool

## Market standing:

* Free to use

# Solution domain

* Allow the creation of activities which can have subtasks.
* Keep track of those activities through time.
* Allow the user to customize their activity progress.
* Provide mental stimulation and motivation through notifications and status updates.

# Technical implementation

* Language: Java 17.0.2
* Graphics: JavaFX
* Selected IDE: IntelliJ Community 2021.3.2
* Project management: Github

# General product traits

* Main window
* Dynamic constant moving timeline with activity showcasing
* Tool menu for saving, editing, creating, and other options
* Auto-saving
* Desktop notifications
* Staying hidden when minimized

## Sketches and ideas:

Diagram

Description automatically generated

## Graphical user interface, application Description automatically generatedDevelopment iteration #1:

First iteration implemented basic visual UI and a set of features for creating, editing, and removing activities from the timeline. Activities are ordered at times at which they being and their order is maintained when those times are edited.

Other included features are:

* Manual file saving and loading
* Debug menu bar for dummy examples
* Help menu bar with a link which opens application documentation, and the about section
* Undo and redo functionality
* Console logging

## Development iteration #2:

Graphical user interface

Description automatically generatedSecond iteration focused on styling and providing a more intuitive experience to the user. Most of the work went on developing the week-by week timeline.