



# Deminder

An app that reminds you of your deadlines

# Table of contents

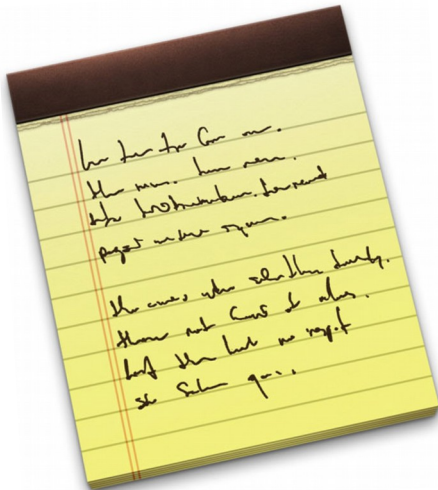
- ▶ Understand business need
- ▶ Technical Ability
- ▶ Quality

# Understand business need

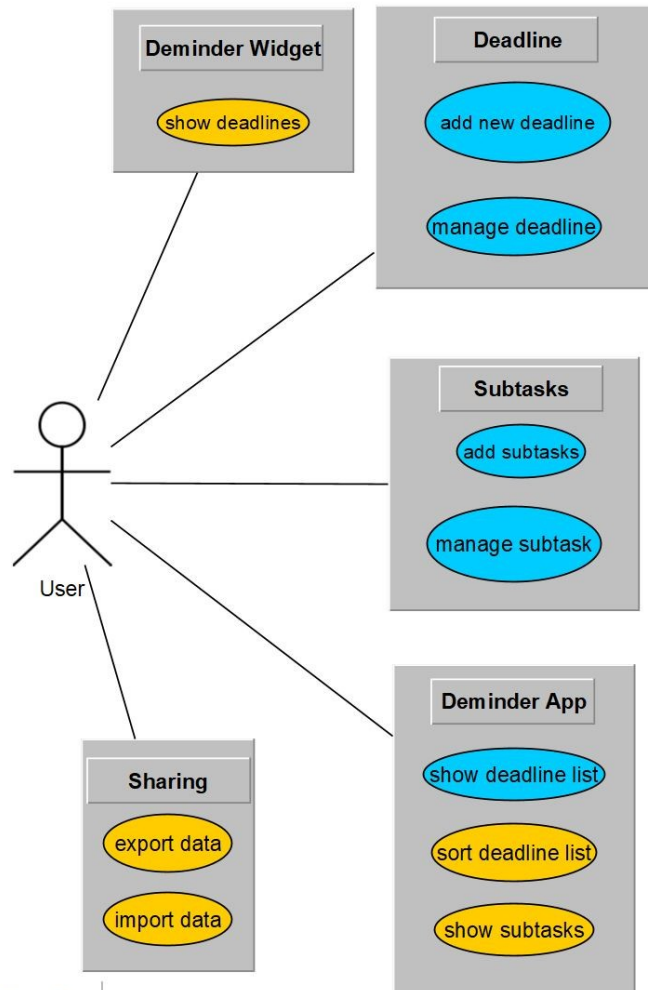


# Vision

- Many deadlines to keep track off
- Exams, dates, papers you need to finish and e-mails you have to write
- Focus on important things
- Show an overview of your deadlines
- The ability to create, manage and delete deadlines and subtasks
- Subtask with check option
- Possibility to set deadlines as recurring
- Don't forget any important upcoming dates
- Organize and track your progress



# Use cases



 will be implemented until end of December

# Software Requirements Specification

## **Scope:**

- ▶ remind the user of upcoming deadlines such as exams
- ▶ overview to show all your deadlines

## **Functionality:**

- ▶ Create, edit, show, delete deadline
- ▶ Add, show and delete subtasks, mark subtasks as finished

# Non-functionals

## **Reliability**

- ▶ Data is never lost or corrupted, accurate time, app always active

## **Performance**

- ▶ Fast loading, asynchronous saving, low response time

## **Supportability**

- ▶ Conventions, clear program structure supporting modularity, clean code and commits

## **Design constraints**

- ▶ Java, Android Studio, Git, YouTrack, Wordpress

# Project Methodology



## **Tool**

- ▶ YouTrack

## **PM method**

- ▶ Scrum

## **What is Scrum?**

- ▶ breaks large processes down into small pieces in order to streamline efficiency
- ▶ Time-tracking

## **Advantages**

- ▶ Very agile



# Iterative Process

- ▶ Small Scrum tasks to complete a objective set for our sprint
- ▶ Each task is complete on its own and contributes towards the sprint goal

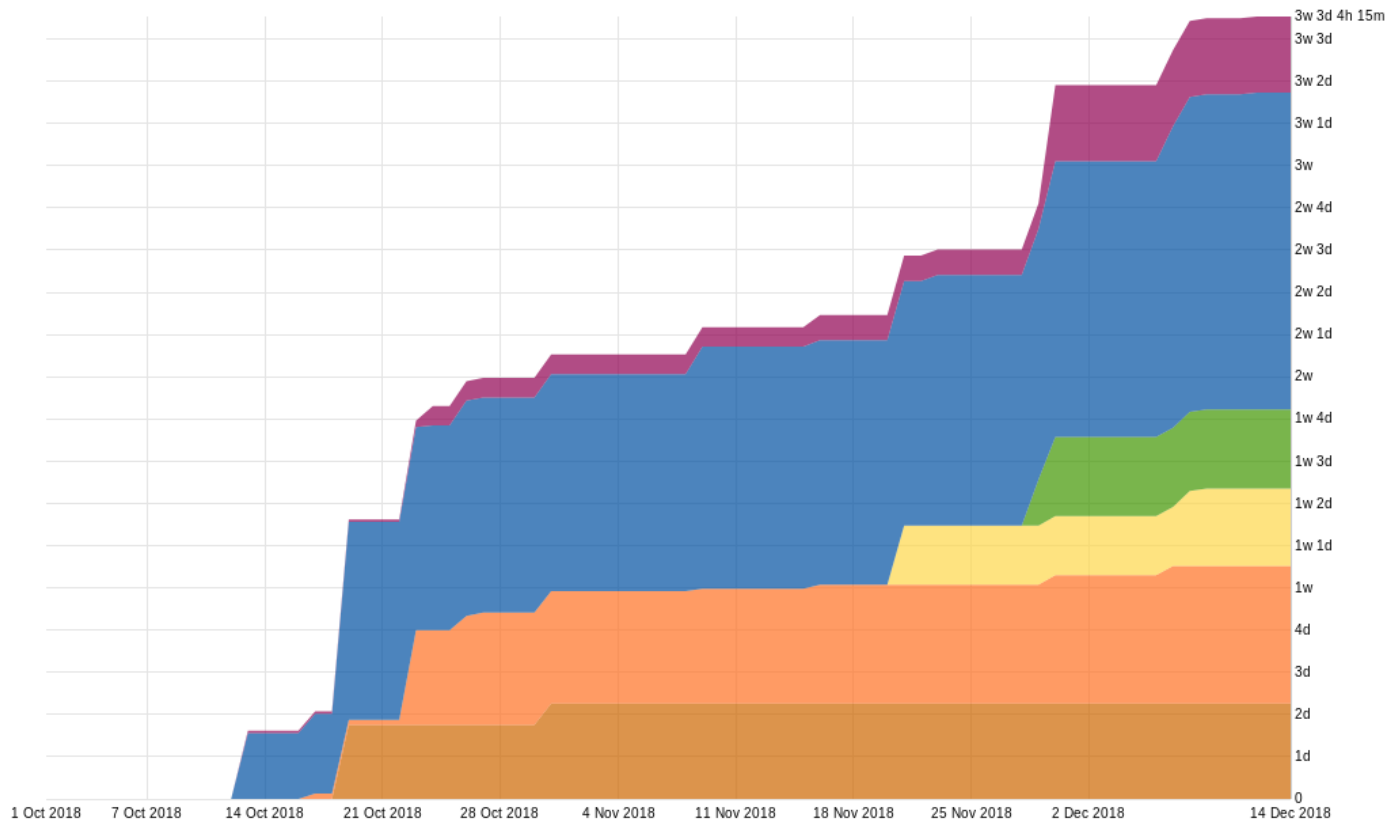
# Project Management

- ▶ access our task list in our IDE, Android Studio
- ▶ track the time one of our team members is working on a specific task
- ▶ Contributing to our git repository via Android Studio directly

# RUP and long-term planning

- ▶ Usage of RUP for clear roles of each member and structure
- ▶ Burndown to keep track of our progress

# Cumulative Chart

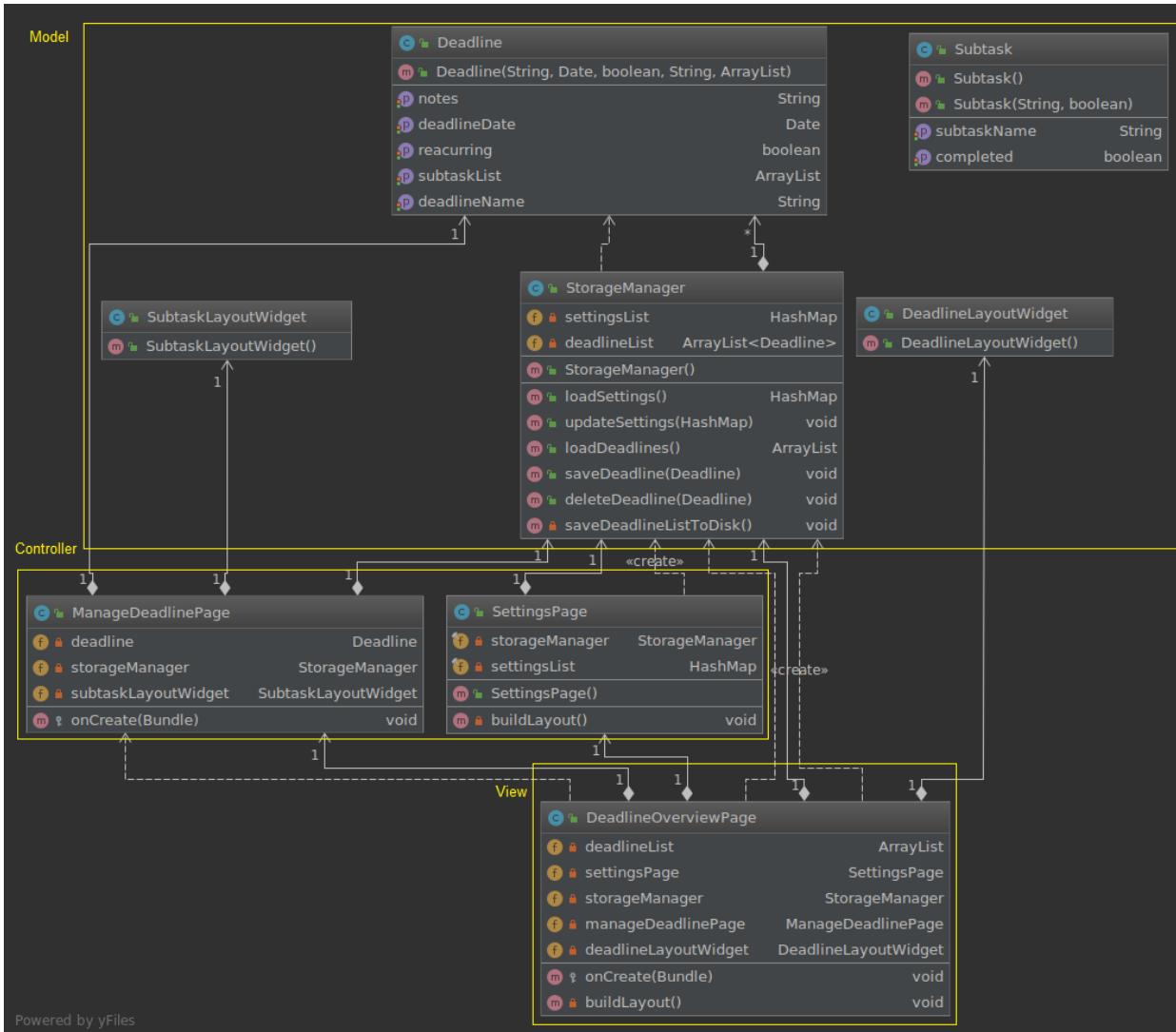




# Technical ability



# Class diagram



# Quality





# Architecture

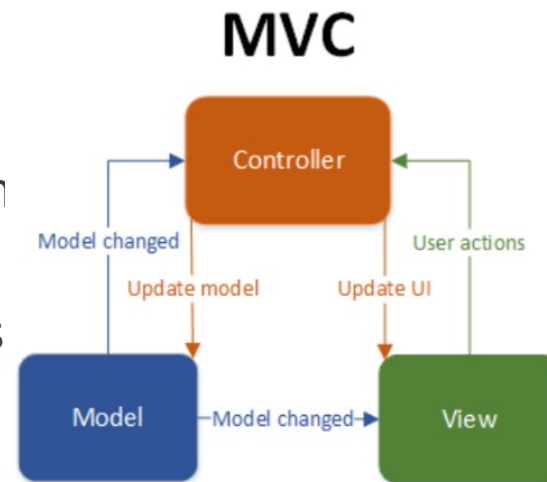
- ▶ No server, only a client side which uses MVC
- ▶ Written in Java for android

## Model View Controller

- ▶ Goal: separate view from logic
- ▶ Controller takes care of handling actions by the user
- ▶ Models contain the data that is displayed in the views

## Data Storage

- ▶ Deadlines stored on the phone drive



# Automation

- ▶ Automatic time tracking
- ▶ Automatic tests
- ▶ Automatic deployment

# Testing

- ▶ Feature test with Espresso Framework



# Future

- ▶ Widget
- ▶ Change settings
- ▶ Change deadline list order
- ▶ Share and import deadlines



# Thank you for your attention!

