

Class Responsibility Collaborator Cards

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Task

Model

Responsibilities:

- ❑ Knows task title and description
- ❑ Knows due date
- ❑ Knows subtask
- ❑ Knows completion status

Collaborators:

- ❑ Subtask class

Subtask

Model

Responsibilities:

- ❑ Knows subtask title

Collaborators:

- ❑ Task class

MainActivity

Activity (view)

Responsibilities:

- ❑ Knows if the user has opened the app for the first time
- ❑ Loads background

Collaborators:

- ❑ NavActivity

NavActivity

Activity (view)

Responsibilities:

- ❑ Controls all fragments and sets up the NavDrawer

Collaborators:

- ❑ GTDFragment
- ❑ DetailTaskFragment
- ❑ TenMinuteFragment

GTDFragment

Fragment (view)

Responsibilities:

- ❑ Populates the task list
- ❑ Serves as the main landing page

Collaborators:

- ❑ DetailTaskFragment
- ❑ NavActivity
- ❑ AddQuickTaskDialog
- ❑ GTDPresenter

AddQuickTaskDialog

Activity (view)

Responsibilities:

- ❑ Allows the user to quickly add tasks

Collaborators:

- ❑ DetailTaskFragment
- ❑ GTDFragment
- ❑ GTDPresenter

DetailTaskFragment

Fragment (view)

Responsibilities:

- ❑ Manages the UI for the task data
- ❑ Populates description
- ❑ Populates DueDate
- ❑ Populates subtask list

Collaborators:

- ❑ GTDFragment
- ❑ NavActivity
- ❑ DetailTaskPresenter

PomodoroFragment

Fragment (view)

Responsibilities:

- ❑ Manages the Pomodoro countdown timer

Collaborators:

- ❑ PomodoroSettings
- ❑ NavActivity
- ❑ PomodoroPresenter
- ❑ CountDownView

PomodoroSettingsFragment

Fragment (view)

Responsibilities:

- ❑ Knows different pomodoro technique specific settings

Collaborators:

- ❑ PomodoroFragment
- ❑ PomodoroPresenter

TenMinuteFragment

Fragment (view)

Responsibilities:

- ❑ Manages the alarm and countdown timer associated with the 10-minute hack

Collaborators:

- ❑ NavActivity

DetailTaskPresenter

Presenter

Responsibilities:

- ❑ Manages data for SubTasks

Collaborators:

- ❑ DetailTaskFragment
- ❑ Subtask

GTDPresenter

Presenter

Responsibilities:

- ❑ Manages data model regarding Tasks and Subtasks

Collaborators:

- ❑ DetailTaskFragment
- ❑ Subtask
- ❑ Tasks
- ❑ GTDFragment

PomodoroPresenter

Presenter

Responsibilities:

- ❑ Manages data Pomodoro Module

Collaborators:

- ❑ PomodoroFragment
- ❑ PomodoroSettings
- ❑ PomodoroSettingsFragment

CountDownService

Service

Responsibilities:

- ❑ Establish a timer that counts down given a time in minutes
- ❑ Must include start, pause, and cancel functionality
- ❑ Must exist without a view

Collaborators:

- ❑ Any class that starts/binds to this service