## TaskItem projectName: String taskName : String taskDate : LocalDate taskStatus: String taskDescription : String + getProjectName(): String + setProjectName(String projectName): void + getTaskName(): String + setTaskName (String taskName) : void + getTaskDate (): LocalDate + setTaskDate(LocalDate taskDate) : void + getTaskStatus(): String + setTaskStatus(String taskStatus) : void + getTaskDescription(): String + setTaskDescription(String taskDescription): void + toString(): String + compareTo(): int + equals(TaskItem t): boolean **ToDoList** + taskItemList: arrayList + taskItem : Class + input : Scanner + getList(): List<TaskItem> + setTaskItemList(List<TaskItem> list) : void + countDoneUndoneTask(): void + showAll(): void + showByProject(): void + addNewTask (): void + convertStringToDate(String dateString): LocalDate + getProjectToUpdate(String field): String + chooseTaskIndex(): void

ToDoFileManager

+ writeToFile (String fileName, List<TaskItem> taskItemList): boolean

+ taskItemList: ArrayList<TaskItem>

+ ReadFromFile(String fileName) : List<TaskItem>

## Menu

+ input : Scanner

+ selection : int + toDoList : class

+ toDoFileManager : class

+ fileName : String

+ mainMenu(): void + printMenu() : void

+ showTaskList() : void

+ editTask() : void