

| <<Java Class>> |
|-----------------------------------|
| Habit |
| -userID: int |
| -habitName: string |
| -habitSubtasks: list |
| -habitFrequency: int |
| -habitDateTime: DateTime |
| -habitComplete: Boolean |
| +createHabit() |
| +deleteHabit() |
| +createHabitRequest() |
| +habitScheduler() |
| +createHabitNotif() |
| +completeHabit() |

| <<Java Class>> |
|-----------------------------------|
| Task |
| -userID: int |
| -taskName: string |
| -taskSubtasks: list |
| -taskComplete: boolean |
| +createTask() |
| +deleteTask() |
| +createTaskRequest() |
| +createTaskNotif() |
| +completeTask() |

| <<Java Class>> |
|-----------------------------------|
| GlobalExceptionHandler |
| GlobalExceptionHandler() |
| handleConnectionError() |
| handleConnectionErrorDB() |
| handleTaskBreakdownError() |
| handleTaskCreationError() |
| handleRegistrationError() |
| handleLoginError() |

| <<Java Class>> |
|-----------------------------------|
| OpenAI API |
| sendRequest() |
| recieveResponse() |

| <<Java Class>> |
|-----------------------------------|
| User Interface |
| login() |
| register() |
| homepage() |
| TaskListDashboard() |
| HabitListDashboard() |
| errorPage() |
| Account() |

| <<Java Class>> |
|-----------------------------------|
| Connection |
| -apiKey: string |
| -dbUser: string |
| -dbPassword: string |
| -dbPort: string |
| -dbHostName: string |
| +connectAI() |
| +closeConnection() |
| +connectDB() |
| +recieveRequest() |
| +sendResponse() |

| <<Java Class>> |
|-----------------------------------|
| Authentication |
| login() |
| register() |
| changePassword() |
| changeUsername() |
| userLogOut() |