

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

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

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

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

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

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

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