

# Design Document

## Web Application Purpose

The purpose of the web app is to help people manage their tasks. By using Tasker, users can create their own task lists. Task lists will contain multiple tasks he/she created as well as some details, including task name, deadline, description, and priority level. The user can look at different tasks in different lists. What's more, users are able to create groups in Tasker.

## Information Included and How It Meets the Goal of the Web Site

People who browse this website will find the following:

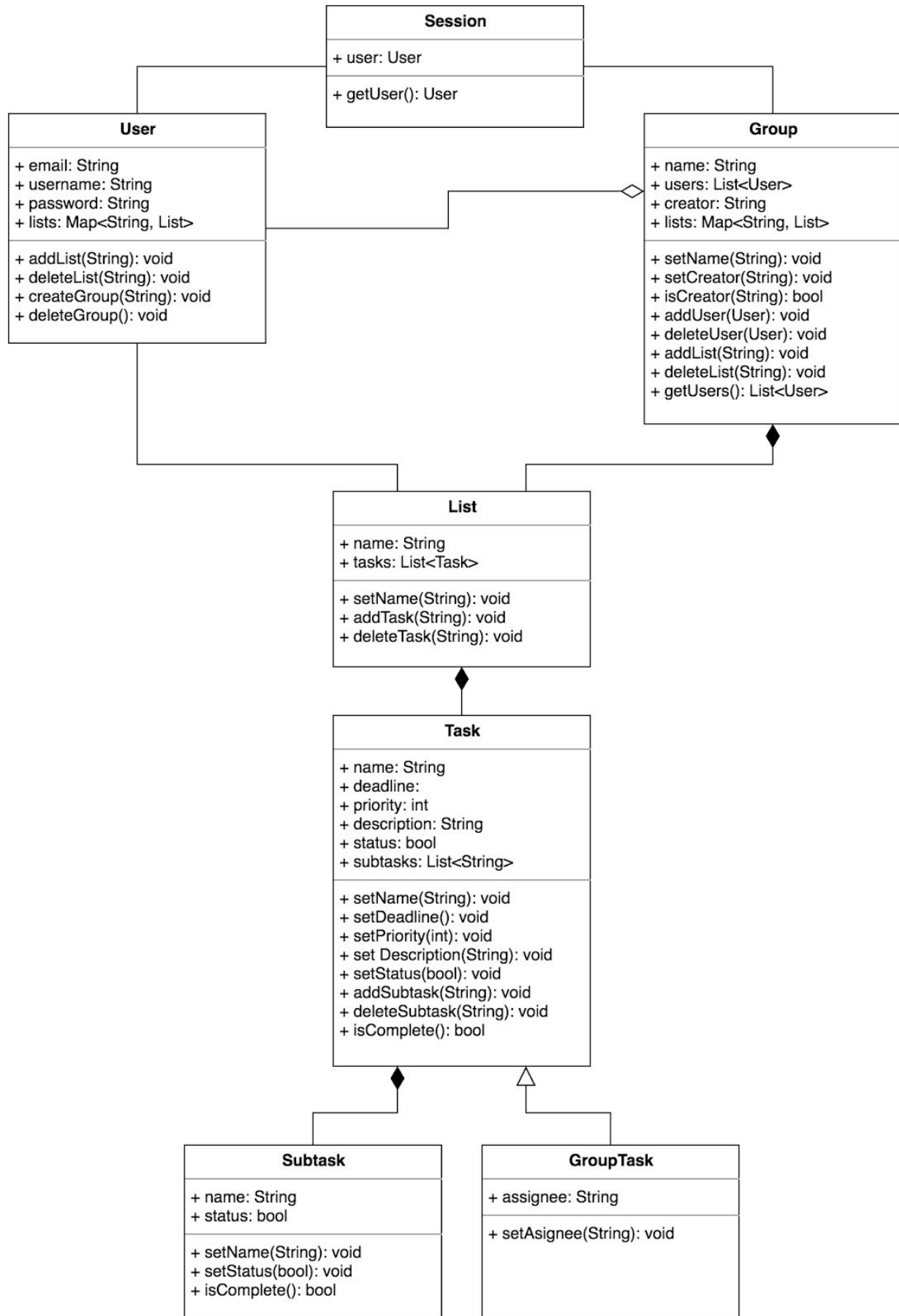
1. Personal account (or button to create a new account)
2. Task lists the user have
3. Tasks in each task list
4. Subtasks of each task
5. Button to create a new task list

## Developer Tools

The frontend is done in Javascript with the use of React.js and other libraries. The backend has been done in two ways. The first is using Java with the Spring Framework, and the second is using Firebase. Currently, the frontend utilizes the Firebase version because the Java version lacks user authentication implementation. The Java version uses MySQL Workbench for database management.

## Classes Design

*Please see next page for UML.*



## Database Design

