SPRINT PLANNER
DESCRIPTION
TO THE PLANNER SIMILAR TO JIRAJ A SPRINT PLANNER IS USED TO ASSIGN THE TASK TO THE TEAM MEMBER AND CHECK THE
PROGRESS OF THE PROJECT OF EACH TEAMMATE WHICH IS ASSIGNED TO HIM/HER.

**SPRINT THIS IS A TIME PERIOD IN WHICH THE COMPANY ASSIGNS A TASK TO THE WHICH OFF COMPLETE A SET AMOUNT OF
WORK.

TO THE TRAIN MEMBER.

TO THE TRAIN MEMBER.

TO THE TRAIN MEMBER.

TO THE TRAIN MEMBER.

**JUNCTIONALITIES OF HET TO CERTA EAN PSPRINT, SHOULD BE ABLE TO ADO ANY TASK TO THE SPRINT AND BENOVE FROM IT—

J. USERS SHOULD BE ABLE TO CHARTE ANY SPRINT, SHOULD BE ABLE TO ADO ANY TASK TO THE SPRINT AND BENOVE FROM IT—

DONE.

**JUNCTIONALITIES OF HET TO CERTA EAN PSPRINT AND DEVELOP THE STOW, FEATURE, BUG, EACH CAN HAVE THEIR OWN STATUS (TODO, INPROGRESS,
DONE).

**JUNCTIONALITIES OF HER TO CERTA EAN PSPRINT AND DEVELOP THE STATUS, BUG, EACH CAN HAVE THEIR OWN STATUS (TODO, INPROGRESS,
DONE).

**JUNCTIONALITIES ASSIGNED TO A USER IN THE SPRINT.

**JUNCTIONALITIES CAN HAVE MAX TASKS IN INPROGRESS STATUS IN A SPRINT.

**JUNCTIONALITIES AND THE TASKS IN INPROGRESS STATUS IN A SPRINT. SPRINT CAN HAVE MAX 20 TASKS.

**POLLOWING STATUS CHANGES ARE ALLOWED (TODO -> INPROGRESS, INPROGRESS--TODO, INPROGRESS-> DONE).

**I MAKE SUBET HAY TO UN HAVE A WORKING AND DEMONSTRABLE CODE

**2. MAKE SUBET HAY THE CODE IS FUNCTIONALLY CORRECT

**2. MAKE SUBET HAY THE CODE IS FADABLE AND MODULAR (CODE QUALITY) 4. MAKE SURE THAT THE CODE IS THEAD SAFE

3. MAKE SUBET HAY THE CODE IS HOUSED. STEP 2 (DEFINE CLASSES) SKETCH OUT SPRINT RINT PLANNER CLASS (CLASS) **PROPERTIES ENUM TASK USER (CLASS) (CLASS) enum TaskType {
 STORY,
 FEATURE,
 BUG
} enum TaskStatus {
 TODO,
 INPROGRESS,
 DONE STEP 2 (DEFINE FUNCTIONS) public class Main {
 public static void main(String[] args) {
 Sprint sprint1 = new Sprint("Sprint 1"); SPRINT (CLASS)

FUNCTIONS
ACOTACK (midd)

REMOVITACK (midd)

PROPRIES
TASK-ARRAY OF
TASKS-1 Task task1 = new Task("Implement login feature", TaskType.FEATURE); Task task2 = new Task("Fix authentication bug", TaskType.BUG); Task task3 = new Task("Write user stories", TaskType.STORY); TASK
(CLASS)
PACCIONS
INTERFOLOGIS
INTERFOLOGIS
INTERFOLOGIS
INTERFOLOGIS
PROPRIETE
TYPE(INNA)
INTERVOLOGISMAN) User user1 = new User("Alice");
user1.assignTrask(task1);
user1.assignTrask(task2);
user1.assignTrask(task3);// This should print "Maximum number of tasks in progress reached for this user" class Task {
 private String name;
 private TaskType type;
 private TaskStatus status; public Task(String name, TaskType type) {
 this.name = name;
 this.type = type;
 this.status = TaskStatus.TODO;
} public void changeStatus(TaskStatus newStatus) {

// Implement logic to check allowed status transitions

if ((status == TaskStatus TODO && newStatus == TaskStatus.INPROGRESS) ||

(status == TaskStatus.INPROGRESS && (newStatus == TaskStatus.TODO || newStatus == TaskStatus.DONE)) ||

(status == TaskStatus.DONE && newStatus == TaskStatus.INPROGRESS)) {

status == newStatus;
} else {

System.out.println(*Invalid status transition*);
} public String getName() {
 return name;
} public TaskType getType() {
 return type;
}hk public TaskStatus getStatus() { class Sprint {
 private String name;
 private List<Task> tasks; public Sprint(String name) {
 this.name = name;
 this.tasks = new ArrayList<>();
} public void addTask(Task task) {
// Check if the maximum number of tasks allowed in the sprint is reached
if (tasks:size() < 20) {
 tasks.add(task);
 } else {
 System.out.println("Maximum number of tasks reached for this Sprint");
 } // Other Sprint functionalities can be implemented here $\mbox{\cite{beta}}$ class User {
 private String name;
 private List<Task> tasksInProgress; public User(String name) {
 this.name = name;
 this.tasksInProgress = new ArrayList<>();
} public vold assignTask(Task task) {

// Check if the maximum number of tasks in progress for the user is reached

if (tasksinProgress.size() < 2) {

tasksinProgress.adf(task);

task.changeStatus(TaskStatus.INPROGRESS);
} else {

System.out.println("Maximum number of tasks in progress reached for this user");
}