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Sprint2

```
import java.util.Scanner;

public class Sprint2 {
    public static void main(String[] args) {
        Scanner sc = new Scanner(System.in);
        System.out.println("Please enter total number of possible tasks:");
        int totalTasks = sc.nextInt();
        System.out.println("Please enter total number of actual tasks:");
        int numberOfTasks = sc.nextInt();
        sc.nextLine();
        String task[] = new String[totalTasks];
        int i=0, size=0;
        System.out.println("Please enter the tasks:");
        for(i=0;i<numberOfTasks;i++)
            task[i]=sc.nextLine();
        int cont;
        do
        {
            System.out.println("____Menu____");
            System.out.println("1.Add a task");
            System.out.println("2.Update a task");
            System.out.println("3.Delete a task");
            System.out.println("4.Search a task");
            int option = sc.nextInt();
            sc.nextLine();
            int flag=0;
            String taskValue;
            switch(option)
            {
                case 1:System.out.println("Enter the task");
                task[i]=sc.nextLine();
                i++;
                size=i;
                break;

                case 2:System.out.println("Select the task to be updated:");
                flag=0;
                taskValue=sc.nextLine();
                for(int x=0;x<size;x++){
                    if(taskValue.equals(task[x])){
                        System.out.println("Enter new task:");
                        task[x]=sc.nextLine();
```

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                System.out.println("Task Updated:");
                flag=1;
                break;
            }
        }
        if(flag==0){
            System.out.println("Task not found!");
        }
        break;

        case 3:
            flag=0;
            System.out.println("Select the task to be deleted:");
            taskValue=sc.nextLine();
            for(int y=0;y<size;y++){
                if(taskValue.equals(task[y])){
                    flag=1;

                for(int x=y;x<size;x++)
                {
                    task[x]=task[x+1];
                }
                size--;
                System.out.println("Task deleted!");
            }

    }
    if(flag==0){
        System.out.println("Task not found!");
    }
    break;

    case 4:
        flag=0;
        System.out.println("Enter task to be searched:");
        taskValue=sc.nextLine();
        for(int x=0;x<size;x++){
            if(task[x].equals(taskValue)){
                System.out.println("item matched:"+task[x]);
                flag=1;
            }
        }
        if(flag==0){
            System.out.println("Task not found!");
        }
        break;
    default:
        System.out.println("Not a valid input!");
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                break;
            }

                System.out.println("Continue? For exit press 0 or Press any
key(1-9) to continue");
        cont=sc.nextInt();
        }while(cont!=0);


    }

}
```

Output:

PS C:\Users\HP> & 'C:\Program Files\Java\jdk-17.0.2\bin\java.exe' '-XX:+ShowCodeDetailsInExceptionMessages' '-cp' 'C:\Users\HP\AppData\Local\Temp\vscodesws_006a0\jdt_ws\jdt.ls-java-project\bin' 'Sprint2'

Please enter total number of possible tasks:

5

Please enter total number of actual tasks:

3

Please enter the tasks:

eat

drink

code

____Menu_____

1.Add a task

2.Update a task

3.Delete a task

4.Search a task

1

Enter the task

sleep

Continue? For exit press 0 or Press any key(1-9) to continue

1

____Menu_____

1.Add a task

2.Update a task

3.Delete a task

4.Search a task

2

Select the task to be updated:

eat

Enter new task:

eat lunch

Task Updated:

Continue? For exit press 0 or Press any key(1-9) to continue

1

____Menu_____

1.Add a task

2.Update a task

3.Delete a task

4.Search a task

3

Select the task to be deleted:

sleep

Task deleted!

Continue? For exit press 0 or Press any key(1-9) to continue

1

____Menu_____

1.Add a task

2.Update a task

3.Delete a task

4.Search a task

4

Enter task to be searched:

sleep

Task not found!

Continue? For exit press 0 or Press any key(1-9) to continue