

**Component:** Task Manager

**Module Name:** Skills Searcher

**Author:** Tracey Burruss, Cameron Lohamn

**Reviewers:** Sydney Nguyen, Cameron Lohman, Muniza Siddiqui

Inputs	Process	Outputs
target skill	search the database	crew member with skill

**Inputs:**

The user will input a skill or a crew member.

**Process Description**

The program will take the string inputted by user and search for the matching skill in the database  
The program will then output the team member/members that are associated with that skill

**Outputs:**

If the user searches for a skill, the program will output all crew members who can perform the skill.  
If the user searches for a crew member, the program will output a list of skills that the crew member can perform.

**APIs/Objects:**

1. Scanner Object
2. crew member objects

**Pseudocode:**

1. Create scanner object with data file
2. boolean exit = false
3. while exit is false and there is still data to be read,
  - a. get input from user for the skill
  - b. search the file until the end of the line is reached
  - c. split the line into first name, last name, and skill
  - d. if the inputted skill is equal to the target skill
  - e. print the first and last name
  - f. otherwise if input is equal to exit,
    - i. exit the program
4. reset and close scanner