

Challenge Two (2)

Deadline: 20/06/2025, 6:00 am

Submission Link: Click on this [Link](#) to submit your challenge.

Problem Name: Search Suggestions System

Task Description

Implement the class:

Class: SearchSuggestionSystem

Methods:

- **SearchSuggestionSystem(List products)**
- Initializes the system with a list of product names.
- **List<List> getSuggestions(String searchWord)**

Returns a list of lists. Each list contains up to 3 product names with the current prefix (based on characters typed so far in searchWord), sorted lexicographically.

Example

Input:

products = ["mobile", "mouse", "moneypot", "monitor", "mousepad"]

searchWord = "mouse"

Output:

```
[
  ["mobile", "moneypot", "monitor"],
  ["mobile", "moneypot", "monitor"],
  ["mouse", "mousepad"],
  ["mouse", "mousepad"],
  ["mouse", "mousepad"]
]
```