You may choose to solve 1 of the 3 problems from below. You need to submit the project source code for the same before scheduled interview.

A. Reconciliation

Write a java program that reconciliates the data in files by id and prints out:

- cleared items (ids in csv with cleared true)
- not cleared items (ids in csv with cleared false)
- unexpected clearance (ids in CSV but not in XML)
- absent clearance (ids in XML but not in CSV)

B. Search webapp

Write a webapp that search items in a catalog and display the result of the search:

- search "submit" must be issue a POST request
- the result page must be "refresh proof", i.e. POST data should not be submitted again and the result should be same as original You may store the catalog items in-memory.

C. Shortest Path between 2 points

Write a java program to find the shortest path from point A to point B in a maze.

Maze:

- The maze is represented by a 2-dimensional array of 1's and 0's
- 0 represent that user can traverse a path
- 1 represents that user cannot traverse path
- User can move only horizontal and vertical

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Input: PointA, PointB, Maze Details
Output: Shortest Path
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Sample Input:
PointA = 0,1
PointB = 2,3
Number of Rows in Maze = 5
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1	0	1	1	1
1	0	1	0	0
1	0	0	0	1
1	0	1	1	1
0	1	1	1	1

Sample Output (Shortest Path):

1,0; 1,1; 1,2; 2,2; 2,3