

# Custom Project Report

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## Tests

<https://github.com/SGTK06/Job-Matcher/tree/f6cc1670ae2d127d8a63aab1c7e980d313209305/code/tests>

## Test Documentation

<https://github.com/SGTK06/Job-Matcher/tree/f6cc1670ae2d127d8a63aab1c7e980d313209305/docs/test-documentation>

## When Tests are Run:

```
self.user_preferences.loc[self.user_preferences.index[0]] = new_user_pref
C:\Users\shamg\OneDrive\Documents\FIT2107\stha0083\D2-JobMatcher\src\user_data_manager.py:143: FutureWarning: Setting an item of incompatible dtype is deprecated and will raise an error in a future version of pandas. Value 'hundred' has dtype incompatible with int64, please explicitly cast to a compatible dtype first.
    self.user_preferences.loc[self.user_preferences.index[0]] = new_user_pref
C:\Users\shamg\OneDrive\Documents\FIT2107\stha0083\D2-JobMatcher\src\user_data_manager.py:155: FutureWarning: Downcasting object dtype arrays on .fillna, .ffill, .bfill is deprecated and will change in a future version. Call result.infer_objects(copy=False) instead. To opt-in to the future behavior, set `pd.set_option('future.no_silent_downcasting', True)`
    user_pref = self.user_preferences.fillna("").iloc[0].to_dict()
....Error loading data/user_data.csv
Creating new file with columns: ['user_name', 'user_mail']
Error loading data/user_preferences.csv
Creating new file with columns: ['user_skills', 'min_salary']
Error loading data/saved_listings.csv
Creating new file with columns: ['id', 'url', 'title', 'company_name', 'company_logo', 'category', 'tags', 'job_type', 'publication_date', 'candidate_required_location', 'salary', 'description', 'application_status']
.....Given data does not have the details of a job !!!
.....C:\Users\shamg\OneDrive\Documents\FIT2107\stha0083\D2-JobMatcher\src\nlp_processor.py:111: UserWarning: [W008] Evaluating Token.similarity based on empty vectors.
    token_score = token1.similarity(token2)
C:\Users\shamg\OneDrive\Documents\FIT2107\stha0083\D2-JobMatcher\src\nlp_processor.py:109: UserWarning: [W008] Evaluating Token.similarity based on empty vectors.
    token_score = token1.similarity(token2)
.....
-----
Ran 95 tests in 39.816s

OK
```

## Coverage:

```
PS C:\Users\shamg\OneDrive\Documents\FIT2107\stha0083\D2-JobMatcher> coverage report -m
<unknown>:20: SyntaxWarning: invalid escape sequence '\.'
C:\Users\shamg\OneDrive\Documents\FIT2107\stha0083\D2-JobMatcher\src\user_input_validation.py:20: SyntaxWarning: invalid escape sequence '\.'
****
Name                               Stmts  Miss Branch BrPart  Cover  Missing
-----
src\__init__.py                     0      0      0      0  100%
src\api_request.py                  27      0      6      0  100%
src\config.py                       6      0      0      0  100%
src\dashboard_data_feed.py          15     15      0      0   0%    1-26
src\job_listing.py                  34      4      0      0   88%    38-39, 50-51
src\job_listing_manager.py           23      0      2      0  100%
src\job_matching_logic.py           42     13      8      0   66%    45-62
src\nlp_processor.py                58      1     24      1   98%     76
src\user_data_manager.py             94      4     28      4   93%    49-50, 79, 159->156, 173
src\user_input_validation.py         22      0     12      0  100%
-----
TOTAL                               321     37     80      5   89%
```

```
{ } coverage.json M ●
D2-JobMatcher > { } coverage.json > ...
  9      "files": {
1636      "src\\user_input_validation.py": {
1703      "src\\user_input_validation.py": {
1799      }
1800      }
1801  },
1802  "totals": {
1803      "covered_lines": 284,
1804      "num_statements": 321,
1805      "percent_covered": 88.5286783042394,
1806      "percent_covered_display": "89",
1807      "missing_lines": 37,
1808      "excluded_lines": 0,
1809      "num_branches": 80,
1810      "num_partial_branches": 5,
1811      "covered_branches": 71,
1812      "missing_branches": 9
1813  }
1814 }
```

**Statement Coverage: 89%**

**Branch Coverage: 87.3%**