

Personal Career Manager Software Agent User Guide

Team Name: Team10

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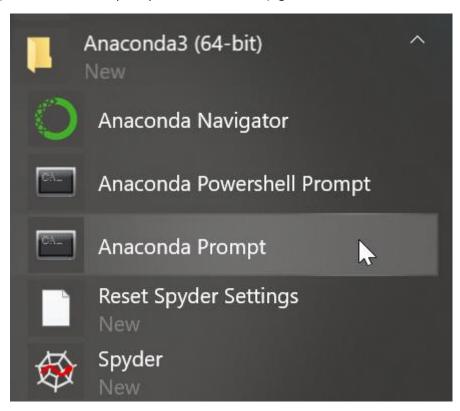
USER GUIDE

Setup:

Step 1) Clone or download zip from https://github.com/raymondng76/IRS-MR-RS-2019-07-01-IS1FT-GRP-Team10-LevelUp

Step 2) Install Anaconda from www.anaconda.org

Step 3) Launch Anaconda prompt from start menu (right click and run as administrator)



Step 4) From the Anaconda prompt console, enter the following command to add the conda-forge channel to conda.

conda config --append channels conda-forge

Step5) From the Anaconda prompt console, enter the following command to create a virtual environment.

conda create --name levelup python=3.6 django=2.2.4

```
(base) C:\WINDOWS\system32>conda create --name levelup python=3.6 django=2.2.4
collecting package metadata (current_repodata.json): done
colving environment: done
  environment location: C:\ProgramData\Anaconda3\envs\levelup
 added / updated specs:
- django=2.2.4
- python=3.6
 he following NEW packages will be INSTALLED:
                         pip
python
  pytz
setuptools
sqlite
sqlparse
  vs2015_runtime
  wincertstore
 roceed ([y]/n)? y
 reparing transaction: done
derifying transaction: done
executing transaction: done
 To activate this environment, use
       $ conda activate levelup
  To deactivate an active environment, use
       $ conda deactivate
(base) C:\WINDOWS\system32>
```

Step 6) Enter the following command to activate the newly created environment.

conda activate levelup

Step 7) Install **Experta** package with the following command.

pip install experta==1.9.1

```
Administrator Anaconda Prompt - "C\ProgramData\Anaconda3\condabin\conda.bat" activate levelup

(base) c:\wINDOWS\system32>conda activate levelup

(levelup) c:\wINDOWS\system32>pip install experta==1.9.1
collecting experta==1.9.1
Using cached https://files.pythonhosted.org/packages/f2/21/18207f6f6141c1182db30d177b1757b4dc502f3f201fe899f2465d240374/experta=1.9.1-py3-none-any.whl
collecting frozendict==1.2 (from experta==1.9.1)
collecting schema==0.6.7 (from experta==1.9.1)
Using cached https://files.pythonhosted.org/packages/5d/42/32c059aa876eb16521a292e634d18f25408b2441862ff823f59af273d720/schema=-0.6.7-py2.py3-none-any.whl
Installing collected packages: frozendict, schema, experta
Successfully installed experta-1.9.1 frozendict-1.2 schema-0.6.7

(levelup) c:\wINDOWS\system32>
```

Step 8) Install Django-Widget-Tweaks package with the following command.

pip install Django-widget-tweaks

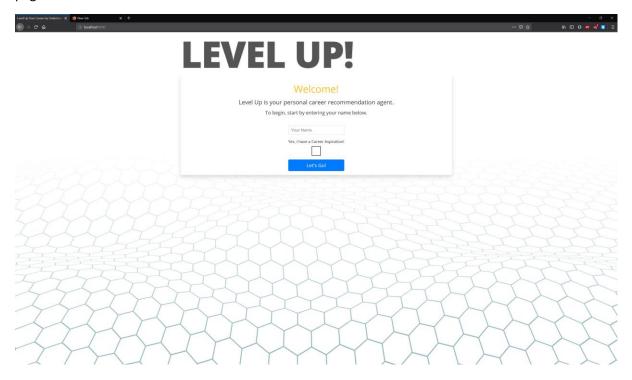
Step 9) Navigate to the IRS-MR-RS-2019-07-01-IS1FT-GRP-Team10-LevelUp\SystemCode\Level Up folder of the cloned Github project.

Step 10) Enter the following command to start the Django server.

python manage.py runserver



Step 11) Open any web browser and navigate to http://localhost:8000 to visit the project home page.



Note:

- For repeated testing, please launch a new browser tab and navigate to http://localhost:8000 or click on the **LEVEL UP!** banner at the top of the page to go back to the landing page.
- For repeated testing, a new user name is required.

Test Case

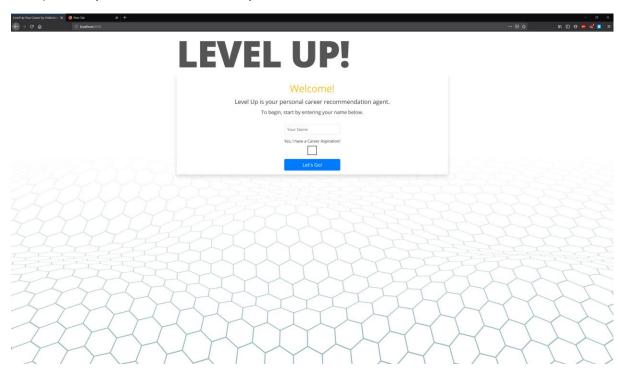
Test ID	Test case	Test case description	Test Step	Test Step Description	Expected Result
			Pre-Condition	Ensure django web server is started	The Level Up Career Recommendation site launched successfully
1	Validate career path availability path	Test if there is available career path from initial career position to desired end goal	Step 1	Key in your name in the main page, put a tick on the checkbox and click Let's go	User details are requested on the subsequent webpage
			Step 2	Fill up user details (e.g., Highest education level: Bachelor Degree , YearsExp: 1 , Current work position: Software Engineer, Tick the checkbox for management role preference) and click submit	Career aspiration is requested
			Step 3	Select Software Director as the aspired career goal and click submit	User skills information is requested
			Step 4	Select C as skill 1 and click submit	Career path is returned, expected to see the best career path as such: Software Engineer, Solution Architect, Senior Software Manager, Software Director

2	I Validate nerconality test		Step 1	Key in your name in the main page, untick the checkbox and click Let's go	User details are requested on the subsequent webpage
		Examine if personality test is returned when career aspiration is uncheck	Step 2	Fill up user details (e.g., Highest education level: Bachelor Degree , YearsExp: 1 , Current work position: Software Engineer, Tick the checkbox for management role preference) and click submit	Personality test is returned
3	Validate career end point recommendation	Test if career end points are proposed after completing the personality test	Step 1	Follow Test ID 2 and select the first answer for all 20 questions and click submit	Career End Point is proposed. Expected to see 3 suggested positions: Senior Director, Senior Sales Director, Senior Software Director
4	Validate job recommendation	Check if job is recommended	Step 1	Follow Test ID 1	Available job for application is displayed, expected to see MNC Application Consultant (Solution Architect)Java / J2EE / X2 Permanent Opening
5	Validate course recommendation	Check if course is recommended	Step 1	Follow Test ID 1	Available course for application is returned, expected to see a list of suitable courses for registration

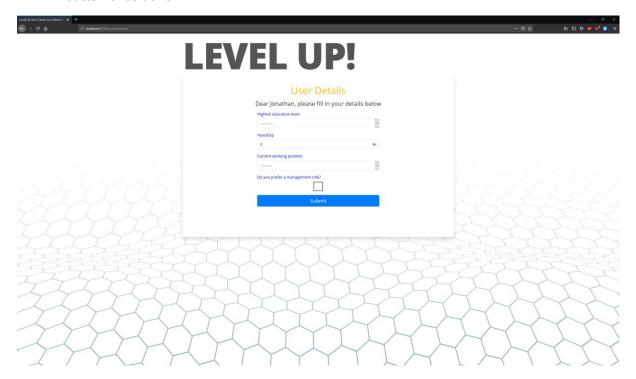
Walkthrough

Workflow without Career Aspiration

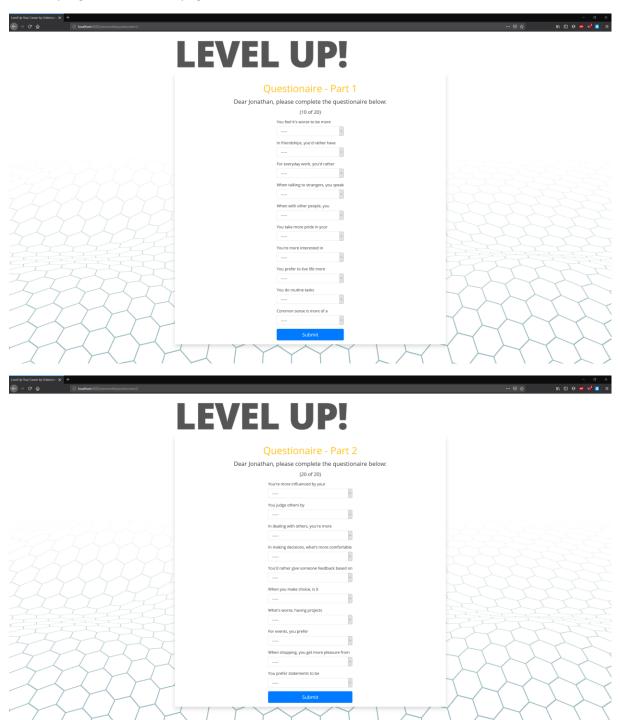
1) Enter your name in the textbox provided and click the 'Let's Go!' button



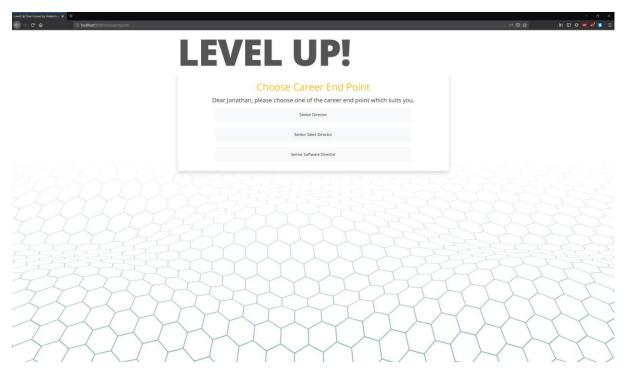
2) Select education level, current working position and enter your years of working experience. Check the 'Prefer a management role' checkbox per your preference. Click the 'Submit' button once done.



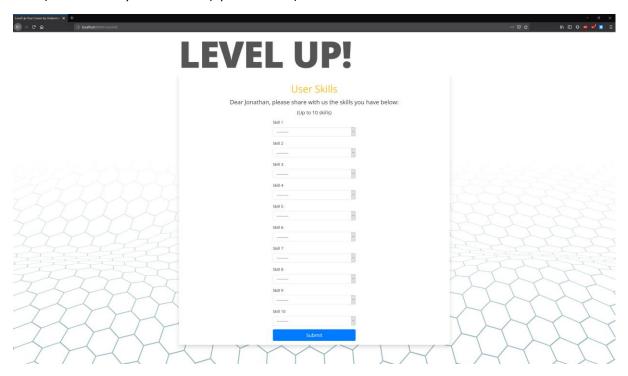
3) Fill in your answers for the next two pages (10 questions per page) and click the 'Submit' button once you are done. Please note that all questions must be answered in order to progress to the next page.



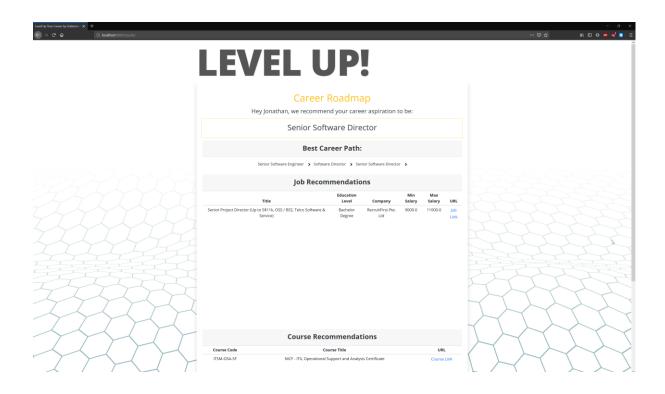
4) After submitting all previous questions, 3 possible career end points will be shown, click on the role you think you are most suited to continue.



5) Next fill in your skill sets (up to 10 skills) and click the 'Submit' button.

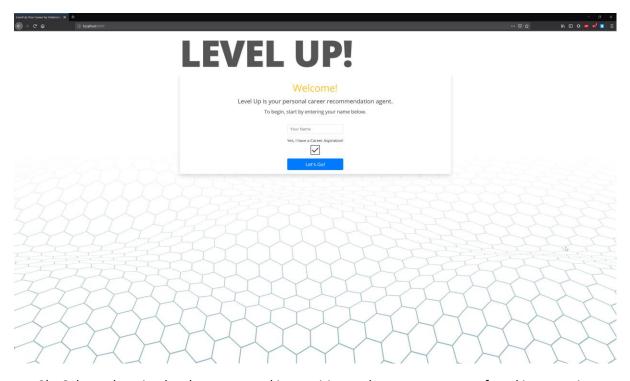


6) The career roadmap will now be shown, showing the best career path, job as well as course recommendations. Click on the respective job and course link to view their respective website.

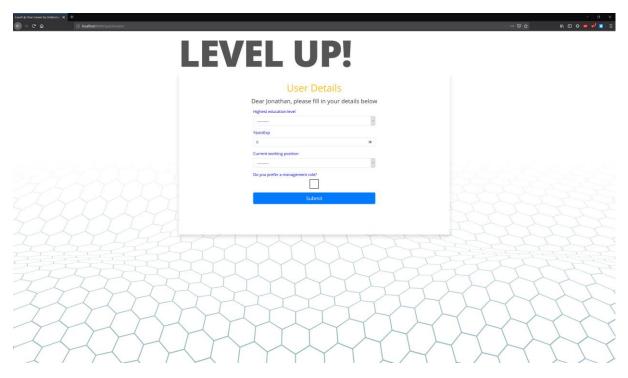


Workflow with Career Aspiration

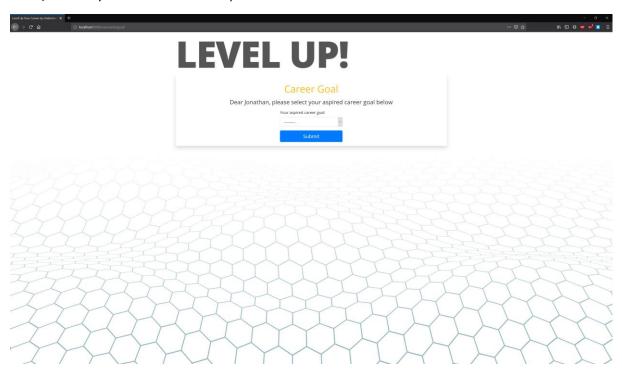
1) Enter your name in the textbox provided and check the 'Yes, I have a Career Aspiration!' checkbox and click the 'Let's Go!' button



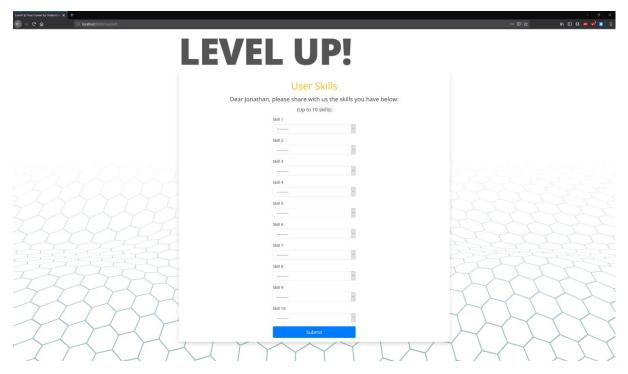
2) Select education level, current working position and enter your years of working experience. Check the 'Prefer a management role' checkbox per your preference. Click the 'Submit' button once done.



3) Select your desired career aspiration and click on the 'Submit' button once done.



4) Next fill in your skill sets (up to 10 skills) and click the 'Submit' button.



5) The career roadmap will now be shown, showing the best career path, job as well as course recommendations. Click on the respective job and course link to view their respective website.

