

Individual Project Report

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Certificate:	Graduate Certificate in Intelligent Software Agents – IPA/SRBP/RISM project

1. Your personal contribution to the project.

- i. System design, its phases and code.
- ii. System demonstration video.
- iii. Project Report on Section 4 - Solution.

2. What you have learnt from the project.

- i. Web forms are good structured data to scrape from.
- ii. Learnt to read html tags from websites.
- iii. Learnt to refer price tags via anchor base logic relative to their names rather than hard coding their exact spots.
- iv. Python – TagUI.
- v. Building a bot by phases - agile methodology.
- vi. Injecting some intelligent elements into the design to help human in decision making. (e.g. lexical analysis + sorting save its user time reading through uninterested search results)
- vii. More creative ideas and thoughts could be generated, sparred and cross-validated when having another team member.

3. How you can apply this in future work-related projects.

- i. Automate tasks related to filling of web forms by using TagUI.
- ii. Automate repetitive competitor online research tasks by reading the xpaths and converting the steps to scraping algorithm.
- iii. Check with team member for more creative ideas and other user needs.
- iv. Insert IPA into work flow to help lessen human decision making.
- v. Launch many small usable bots in phases for colleagues to use rather than waiting to complete a full version programme.