University of Essex

Action Plan - Object-Oriented Programming (OOP)

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Where do I want to be by the end of this period/year?
What do I want to be doing? (Include as many learning needs as required to achieve agreed objectives)

What do I want/need to learn? Provide a specific description of the desired changes (e.g. skills to gain, knowledge to acquire, topics/ themes/content to cover)	**What do I have to do to achieve this?** Some examples, a new/ongoing course, conference, self-development (like wider research or reading), coaching/mentoring, job shadowing	**What resources or support will I need?** Some examples, teaching staff support, library support, student advisor support, line manager, etc.	**How will I measure success?** Some examples, appraisals, course assessments, team feedback, tutor feedback	**Target dates for review and completion** Note that these need to be realistic/achievable
Object- Oriented Programming	**- Watch the lecturecasts** **- Attend live seminars** **- Wider research/reading** **- Watching videos about OOP**	**- Codio exercises** **- Educational videos** **- Educational websites** **- Reading research** **- Python discussion forums**	**- Codio results** **- Feedback during collaborative discussions from** **- Tutor feedback for summative assessment submissions.**	**Review:** **Units 1-11 (November 7th, 2023- February 12th, 2024)** **Completion: End of unit 12 (February 19th, 2024)**
System Design	**- Use Unified Modeling Language** **- Watch videos about UML development** **- Watch lecture casts** **- Attend live seminars**	**- Educational videos** **- Reading research** **- Researching various UML models and how they are used in different systems** **- Open source tool: Visual Paradigm**	**- Research about driverless car operations** **- Submission of System Design Proposal** **- Tutor feedback on System Design Proposal**	**Review: Units 3 and 4 (December 2023)** **Completion: Submission of System Design Proposal at the End of Unit 7 (January 15th, 2024)**

System Implementation	**- Ability to code the driverless car using following OOP concepts - Watch videos about OOP coding in Python - Attend live seminars - Watch lecture casts - Consult with tutor - Consult and ask guidance from experienced programmers - Test code and use assert statements**	**- Educational videos - Reading research - Python discussion forums - PyCharm - Consulting peers who are taking the same module - Tutor support**	**- Submission of System Implementation Summative Assessment - If assert statements and unittesting has been implemented in the car operation code - Tutor feedback on System Design Proposal**	**Review: Units 4-10 (December 2023-February 2024) Completion: Submission of System Implementation at the end of Unit 11 (February 12th, 2024)**
e-Portfolio	**- Set-up an e-Portfolio on Github, specifically making an OOP branch. - Develop a website for the e-Portfolio - Provide artifacts of my learnings for each unit**	**- Github - PyCharm - Codio**	**- Evidence of at least one work per unit is provided in the e-Portfolio. - Reflective Piece - Tutor feedback on e-Portfolio and Reflective Piece**	**Review: Units 1-11 (November 2023-February 2024) Completion: Submission of e-Portfolio and Reflective piece at the end of Unit 12 (February 19, 2024)**

Patricia Annette C. Santos
Object Oriented Programming Module November 2023

Reference:

University of Essex Online (N.D.) Creating your e-Portfolio. Available from: https://www.my-course.co.uk/mod/book/view.php?id=397323&chapterid=4270 [Accessed: 15 February 2024.]