

SWE30010 DP2
Projects
Request for Proposal

Standard Project: PHP-SRePS

Company: People Health Pharmacy (PHP) Inc.

Software: Sales Reporting and Prediction System (PHP-SRePS)

Synopsis

People Health Pharmacy is a small pharmacy based in Hawthorn. We offer various medicine, health care products and accessories.

Currently we are using a paper based system to record our sales. Our company is finding it difficult to gain a better understanding of our weekly and monthly sales. We also frequently run out of certain items that are in demand.

We are in need of an application that can analyses our sales data and produces a set of reports that would help our manager improve their product ordering decisions.

The application must offer a graphical user interface. However, the reports generated by the automatic analysis need to be in a format that can be easily translated into CSV (comma separated values) files for further processing.

Your own Project: Team agreed [need special approval from your tutor – ask in the first tutorial after the team agrees on a specific project]

Task: You need to think about what you want to do and write up a request for proposal similar to the one in Project 1 above; send it as an email to the unit convenor with the subject “SWE30010 DP2 – Request for Proposal – My own project” or discuss this with your tutor in your first tutorial (Week 2) after you form a team for special approval.

Timing: The unit convenor may ask you several questions to pin down the details, so as to decide whether it is suitable for the team to do the project – too simple or too complicated. Also, it may take several rounds of communications to finalize the request for proposal. Hence, you need to start early.

Mystery Project [last resort, contact unit convenor for project details]: Following are some pre-defined projects from some industry partners but "scoped down for your DP2 purposes". You may need to sign a non-disclosure agreement for the Mystery Projects.

Mystery Project 1 - Skills required: IoT related, Big Data related, Data Mining knowledge an advantage [may need to program “advanced” data mining algorithms]

Mystery Project 2 - Skills required: Research oriented, Prototyping possibilities, Security related [knowledge of Block Chain an advantage]