

# SWE30010 MITP Projects Request for Proposal

## **Standard Project: AWS-CPM**

**Company:** Asset & Wealth Services (AWS) Inc.

**Software:** Customer Portfolio Management System (AWS-CPM)

### **Synopsis**

Asset & Wealth Services is a small company in Hawthorn. We offer various advice to our customers' investment portfolio including asset management and wealth management.

Currently we are using a paper-based system to record our customers investment portfolio and their relevant investment risk profiles. We find it difficult to gain a better understanding of our customers investment portfolio and, hence, may not be able to give them timely investment advice.

We would like to have an application that can help our investment consultants to analyze our customers investment portfolio and their relevant risk profiles so that they can give timely advice to our customers.

The application must offer a graphical user interface and it should be easy to use.

### **Some Points to Note about confusion (this is quite common when you work in the industry in the future)**

1. You may need to have a team member who does the Business-related majors in BA-ICT to help you to understand the terminologies in the financial sector.
2. You need to be careful about your terminology here. For example, AWS here means "Asset & Wealth Services" not "Amazon Web Services". Another example, "(investment) risk profile" in the synopsis above means "investment risk profile" – a common term in the financial investment sector. In your project document, "risk profile" may mean your project risk assessment.
3. You may need to spend some time to understand the background of industry and their terminologies.

### **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 the Standard Project above; send it as an email to the unit convenor / tutor with the subject “SWE30010 MITP – Request for Proposal – My own project” or discuss this with your tutor in your first tutorial after you form a team for special approval.

**Timing:** The unit convenor / tutor 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, it is strongly recommended that you start this task 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 SWE30010 purposes". You may need to sign a non-disclosure agreement for the Mystery Projects.

**Skills required:** Embedded Device related knowledge, Raspberry Pi, C / C++, and GTK3+ knowledge an advantage