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| **PRCO304: Highlight Report** |
| **Name:** Joseph Kellaway |
| **Date:** 08/02/2018 |
| **Review of work undertaken**   * A technology review has been carried out, Java has been selected as the primary programming language for the project. * Rough designs for user interface, normalisation, entity relationship diagram and a system architecture diagram have been created. * Development of data collector underway: * Data collection from the GDAX API (RESTful endpoint) commences once per minute and average prices are calculated. Started work to replace with a WebsocketListener. * Data collection for historic data initiates on start-up at once per second, skipping the one second the other collection occurs due to GDAX maximum API requests per second. * Unsuccessful research into alternative exchange APIs that would allow faster collection of historic data.   This week over 30 hours has been spent working on the project. |
| **Plan of work for the next week**   * Unit testing and Javadoc for implemented data collector. * Implement data storage and use of it pending conversation with supervisor. * Implement and test various price prediction algorithms (GOFAI) to make currency recommendation, select the best one(s) for use. |
| **Date(s) of supervisory meeting(s) since last Highlight**   * No meetings – exchanged emails throughout week |
| **Brief notes from supervisory meeting(s) since last Highlight**   * Marco is happy with my PID. * Contingency plans for data storage were made. |