PROJECT BRIEF

# **Project Name:** Development project automation: towards self-service projects

## Scope/Objective

This project will create a way for new software development projects to create a set of artefacts in the Department’s CI/CD pipeline using existing APIs. The desired outcome is to develop and implement a mechanism for current CI/CD administrators to generate artefacts quickly.

## Background

HA is currently setting-up and configuring software development pipelines across multiple systems manually. This limits our ability to efficiently create a set of consistently configured digital workspaces to allow end users to commence project work.

Current process takes roughly 45 minutes of manual work and is vulnerable to human error. Currently, the end-user notifies the current administrator of their need for these artefacts via a JIRA form which could include artefacts in up to 4 systems. The administrator then needs to access the administrator enabled accounts in each system and create the artefacts one at a time. No clear naming conventions or artefact structure are present with each administrator following their own personal preference. This results in messy configurations that make navigating and working with multiple artefacts difficult. On average the team receive 30 of these requests per week.

Administrators need to be able to efficiently create software development pipelines to be able to service end-user requests, and this process needs to be done in a consistent manner to allow for reliable use of the platforms by the Department.

## Deliverables

The following deliverables are required to be provided to the department:

|  |  |  |
| --- | --- | --- |
| PBS | Deliverables | Date |
|  | Project Outline | Mid May |
|  | System Design | June |
|  | Interface Design | August |
|  | Test Plan | September |
|  | Accessibility Testing | November |
|  | Finalised application | November |
|  | User guide documentation | November |
|  | Automated Testing | November |
|  | Service Definitions | November |

## Outcomes

Through the successful completion of this project the project group will develop a web-based application to assist with the creation of artefacts in the CI/CD pipeline. This provides the initial work towards self-service automation.

## Benefits

* Reduce average end-to-end fulfilment from 45 minutes to 5 minutes.
* Reduce human made errors in the end-to-end process by 10%.

## Contacts

Project Manager: Kirsty Mitchell

Sponsor: Renate Croker

Senior Supplier: Mark Reeves

Senior User: Mark Reeves