**Project Title:** WellWell Project

**Team members:**

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**Project description/outline**

The outline of this project is to sort, clean up and combined well data attributes exported from various government websites. For example, one of the website will provide well header attributes and list of reports when another provide Biostratigraphy data. The final dataset can be use as single source in the database and visualizing for the end users in the future.

Scope of this project is limited to 3 wells located in Bonaparte Basin, WA region. Three of the wells are listed here:

Plover 1

Plover 2

Whimbrel 1

Data attributes will be divided into sub-attributes such as Well header, Well Reports and Biostratigraphy Data.

**Datasets to be used**

* <https://nopims.dmp.wa.gov.au/Nopims/Search/Wells>
* Whimbrel 1 : <http://dbforms.ga.gov.au/www/npm.well.summary_report?pName=Whimbrel%201&pEno=16958&pTimescale=J&pDepthMax=2058.62&pDepthMin=0&pPeriod=&pStage=&pAgeMax=276.7&pAgeMin=0&pAgeTop=0&pAgeBase=3000&pTotalAge=276.7>
* Plover 1:

<http://dbforms.ga.gov.au/www/npm.well.summary_report?pName=Plover%201&pEno=14880&pTimescale=J&pDepthMax=2438&pDepthMin=0&pPeriod=&pStage=&pAgeMax=272.3&pAgeMin=0&pAgeTop=0&pAgeBase=3000&pTotalAge=272.3>

* Plover 2:

http://dbforms.ga.gov.au/www/npm.well.summary\_report?pName=Plover%202&pEno=14881&pTimescale=J&pDepthMax=1524&pDepthMin=0&pPeriod=&pStage=&pAgeMax=290.06&pAgeMin=0&pAgeTop=0&pAgeBase=3000&pTotalAge=290.06

* https://www.dmp.wa.gov.au/Petroleum/Bonaparte-Basin-10987.aspx

**Transformations to be performed**

Dataset will be cleaned and combined and arranged accordingly.

**Rough breakdown of tasks**

1. Extract data from Government websites such as Geoscience Australia and NOPIMS
2. Combined and matched data by well names to be use as final dataset
3. Save the cleaned data to the database