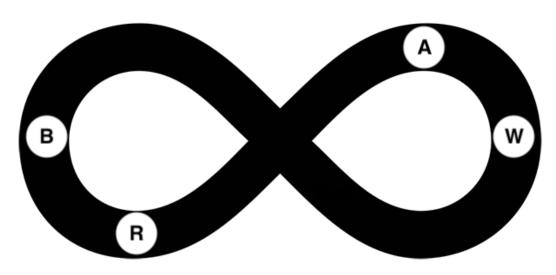
Product Backlog: Version Two

#### **TEAM**

# **BRAW**

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"Infinite Possibilities with BRAW"

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### Personas

**Donald Trum**, an Employee of The Toronto East Quadrant Local Immigration Partnership

- → 61-year-old male employee of TEQ
- → Highest education is high school
- → Immigrated to Canada and understands English as a second language
- → Feels obligated to give back as an immigrant, and finds that reason in TEQ
- → Does not have a computer at home for personal use, sees computers as required tools to complete tasks at work
- → Poor technical skills, tries to avoid complexity wherever possible
- → Would prefer to look at physical reports in paper format
- → Primarily responsible for uploading iCare Files and generating high-level reports with visual representation with small amounts of detail, i.e. maps, graphs, charts, etc...

Ivanka Tary, an Employee of The Toronto East Quadrant Local Immigration Partnership

- → 32-year-old female employee of TEQ
- → Parents immigrated with her to Canada but still uses English as a first language
- → Holds an MBA from Ryerson University
- → Comfortable with using computers, and tools such as Microsoft Office, Outlook, etc...
- → Owns a laptop and a mobile phone for personal uses and entertainment
- → Experienced in analyzing excel files using VBA and presenting her findings in an articulate manner
- → In addition to qualitative representations, she is interested in seeing raw quantitative data representations (ie. graphs, and tables)
- → Responsible for uploading iCare Files and generating tailored reports using a graphical user interface
- → Responsible for identifying inconsistencies in the imported iCare files and verifying if an automated solution can be applied

Jared Kuper, an Employee of The Toronto East Quadrant Local Immigration Partnership

- → 28-year-old male employee of TEO
- → Canadian born citizen who feels obligated to help after hearing about the recent influx of Syrian refugees
- → Studied Data Science and Statistics at the University of Toronto
- → Owns various computers (laptop, desktop, home server) and a smartphone
- → Responsible for uploading iCare Files, and generating greater complexity reports using a query language similar to SQL
- → Additional related responsibility of developing automated solutions to handle data conflicts such as duplicate information during aggregation
- → Holds the responsibility of manual intervention into conflicts when automated solutions are incapable of solving the given issue

### **User Stories**

The following user stories are ordered by importance.

- 1. As an employee of TEQ, I want to be able to upload iCare files to the system using a graphical interface
  - ◆ Specify the fiscal year of the iCare file
- 2. As an employee of TEQ, I want to be able to generate reports that provide me with a representation of immigrant statuses in Scarborough
- 3. As Ivanka Tary, an employee of TEQ, I want to be able to generate specific reports using a graphical user interface, so that I can specify the data columns that will be used in the report
  - Using a generalized checkbox to automatically add/remove columns the employee wants to include in report
  - ◆ Using templates to generate specific types of reports (stored in JSON so that templates can be modular)
- 4. As Jared Kuper, an employee of TEQ, I want to be able to generate specific reports using a query language similar to SQL, so that I can completely customize the data of the report
  - ◆ Input data based on the columns similar to SQL (i.e. started in [date], aggregations) etc...
- 5. As Jared Kuper, an employee of TEQ, I want to be able to view data that needs to be cleaned, or has been automatically cleaned in a graphical interface, so that I can select data or conflicts to be fixed or re-assessed
  - ◆ The data that was automatically or manually fixed as a table (old data, new data, on which (column, row))
  - ◆ View inconsistencies in red colours that need manual attention (validation errors i.e. texts in number only, etc.)
- 6. As Jared Kuper, an employee of TEQ, I want to be able to select a conflict (current data, inputting data) and fix it manually, so that reports can be generated without issue
  - Double visits to an agency in a month
- 7. As an employee of TEQ, I want to be able to download generated reports in HTML format, so that reports can easily be printed and shared with others
- 8. As an employee of TEQ, after I generate a report, I want to be able to download a manifest of all the conflicts that were fixed within the iCARE file
  - ◆ The data that was automatically or manually fixed as a table (old data, new data, on which (column, row))
- 9. As an Ivanka Tary, an employee of TEQ, I would like to select a range of data to generate a report from, so that I can identify trends within more specific sample sets
  - ◆ Eg. data from only 2017, data from only organizations providing employment-related services, etc...

- 10. As an employee of TEQ, I want to be able to compare the data in our system with Public Census data, so that I can identify where/what services are lacking
- 11. As Donald Tum, an employee of TEQ, I would like to use templates to generate specific types of reports, so that I can generate the same type of reports anytime
  - ◆ Stored in JSON so that templates can be modular
  - ◆ Templates contain: languages spoken, background country, etc...
- 12. As Donald Tum, an employee of TEQ, I would like to make Bar graphs, pie graphs, line graphs, etc...