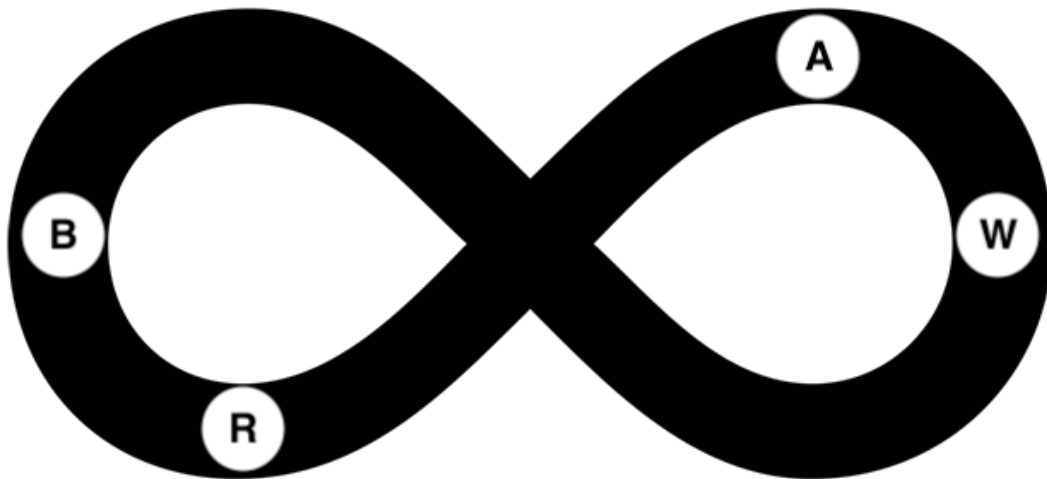


Product Backlog: Version Five

TEAM

BRAW

Bekzod Tursunov | **R**adu Laudat | **A**lvin Tang | **W**esley Ma



"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 templated reports with visual representation with small amounts of detail, i.e. maps, graphs, charts, etc...
- 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

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 TEQ
- 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
 - ◆ Provide a list of reports in the GUI, add and remove through buttons, by clicking add, you are prompted to another window
4. 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...
5. As Donald Tum, an employee of TEQ, I would like to make Bar graphs, line graphs, etc...
 - ◆ As an employee of TEQ, I want to be able to view generated reports in HTML format, so that reports can easily be printed (to PDF for ex) and shared with others.
THE GRAPHS ARE IN HTML FORMAT
6. 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...
7. 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.)
8. 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

- ~~9. As an employee of TEQ, I want to be able to view generated reports in HTML format, so that reports can easily be printed (to PDF for ex) and shared with others~~
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,~~ As 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 stored in classes.
 - ◆ Templates contain: languages spoken, background country, etc...
- ~~12. As Ivanka, I want to use specific templates to generate specific types of reports (stored in JSON so that templates can be modular)~~
13. 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))