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CASCA
Product Backlog
Project Deliverable #5

Personas

Version 0

1. Alice (TEQ worker)
   - 25 year-old, female
   - Agency worker of The Toronto East Quadrant Local Immigration Partnership.
   - Responsibilities includes creating reports, scheduling meetings and making financial decisions.
   - Immigrant from India
   - Feels very strongly about her work, would like to make the best financial decisions possible.
   - Speaks English, Tamil, and Mandarin
   - Has great attention to detail and is very organized.
   - Good computer skills: she can use most Microsoft Office software such as Word, Excel, and PowerPoint. She can also navigate through the web and learn or use new software competently.
   - Believes in technology and willing to spend time on learning it.

2. Jeff (Organization Owner)
   - 56 year-old male owner of an organization that runs a relief program for immigrants.
   - Jeff decides how best to run his organization after carefully considerations such as budget, manpower, and time.
   - Jeff deals with phone calls, emails, and in-person meetings on a day-to-day basis. The prior activities gives Jeff's organization help, funding, and or simply just clarification.
   - Jeff is a leader that likes to make a plan and follow through on it. He only speaks English and hires translators when dealing with any other languages in his day-to-day work life.
   - In terms of technology Jeff can use a computer to read emails, put together a very basic Excel document, and use Internet Explorer. He can also use a basic printer, phone, and car.
   - Jeff does not understand technology and considers it magic. He would like to avoid using any technologically complicated.

3. Cody (System Admin)
   ○ 20-year old, male.
   ○ A third year Computer Science student at UTSC.
   ○ Code is taking a part time work-study position where he needs to update and maintain a data aggregation software.
   ○ Cody can fix computers and communicate effectively with other UTSC staff.
   ○ Cody uses programming languages such as Python, C, and Java, and is able to create scripts and learn new languages easily as needed.
   ○ Cody is very passionate about Computer Science and would like to work at Google one day.

Version 1

1. Alice (TEQ worker-mid level)
   ○ 25 year-old, female
   ○ Agency worker of The Toronto East Quadrant Local Immigration Partnership.
   ○ Responsibilities includes creating reports, fixing bad data and making financial decisions
   ○ Immigrant from India
   ○ Feels very strongly about her work, would like to make the best financial decisions possible.
   ○ Speaks English, Tamil, and Mandarin
   ○ Has great attention to detail and is very organized.
   ○ Good computer skills: she can use most Microsoft Office software such as Word, Excel, and PowerPoint. She can also navigate through the web and learn or use new software competently.
   ○ Believes in technology and willing to spend time on learning it.
2. Bob (TEQ worker-low level)
   ○ 52 year-old, male
   ○ Low level worker of The Toronto East Quadrant Local Immigration Partnership.
   ○ Responsibilities includes creating reports and collaborating with other low-level workers
   ○ Immigrant from China
   ○ Speaks English
   ○ Needs to generate specific reports regularly
   ○ Old fashioned, doesn't like spend too much time on technology, wish everything will be done in one click.
   ○ Poor computer skills: He know how to start a computer and know how to use mouse, but that pretty much it, he does not know how to use any software, but if

someone show him how and the process is simple enough, he will be able to repeat it.

3. Cody(TEQ worker- high level)
    ○ 20-year old, male.
    ○ A third year Computer Science student at UTSC and high level TEQ worker
    ○ Code is taking a part time work-study position where he needs to query some work to show some reports
    ○ Cody know how SQL database works and can communicate effectively with other UTSC staff.
    ○ Cody uses programming languages such as Python, C, SQL script, Bash and Java, and is able to create scripts and learn new languages easily as needed.
    ○ Cody is very passionate about Computer Science and would like to work at Google one day.

4. Jeff (Organization Owner)
    ○ 56 year-old male owner of an organization that runs a relief program for immigrants.
    ○ Jeff decides how best to run his organization after carefully considerations such as budget, manpower, and time.
    ○ Jeff deals with phone calls, emails, and in-person meetings on a day-to-day basis. The prior activities gives Jeff's organization help, funding, and or simply just clarification.
    ○ Jeff is a leader that likes to make a plan and follow through on it. He only speaks English and hires translators when dealing with any other languages in his day-to-day work life.
    ○ In terms of technology Jeff can use a computer to read emails, put together a very basic Excel document, and use Internet Explorer. He can also use a basic printer, phone, and car.
    ○ Jeff does not understand technology and considers it magic. He would like to avoid using any technologically complicated.

Changes from previous versions
● Removed developer (UTSC staff) as a persona
● Divided TEQ worker into 3 levels (high, mid, low)

User Stories

Version 0

1. As Jeff, an organization representative, I want to be able to upload a form to the software in the form of ICare Excel templates, so TEQ can use the data

2. As Jeff, an organization representative, I want to be able to be able to fill out a form that will input the data in manually so I do not have to deal with excel files

3. As Jeff, an organization representative, I want to be able to change everything in form back to default with one click

4. As Jeff, an organization representative, I want to be able to go back to home page with one click.

5. As Alice, mid level TEQ project staff, I want to be able to have many options in terms of filtering, processing, querying data and send it so that I can create detailed graphs and tables.

6. As Alice, mid level TEQ project staff, I want the raw data sorted in a format with charts, graphs, and tables so that I can view the performance of different programs.

7. As Alice, mid level TEQ project staff, I want to be able to detect and resolve conflicting data, so that I can keep the integrity of the data.

8. As Alice, mid level TEQ project staff, I want to be able to generate a report, so that the data can visualized for boardroom presentations.

9. As Jeff, an organization representative, I want the form to show the required fields, so that I can give the refugee's important information clearly and consistently.

10. As Jeff, an organization representative, I want to be able to upload excel files other than iCare, so that I don't have to transfer or lose the gathered data.

11. As Cody, a high level TEQ worker, I want to view all of the data collected, so that I can accurately perform maintenance and project-related analysis.

12. As Cody, a high level TEQ worker, I want to review all logs of the system so that I can ensure performance and maintenance of the system

13. As Cody, a high level TEQ worker, I want to be able to access the functions of all other users, so that I can troubleshoot and maintain the system

14. As Alice, TEQ project staff, I want to be able to manually review data conflicts so that I can ensure they are being resolved correctly

15. As Jeff, an organization representative, I want conflicting data to be resolved automatically, so that I don't have to worry about minor data conflicts.

16. As Alice, TEQ project staff, I want to be able to review logs of data that have been resolved automatically so that I can review it if issues arise

17. As Jeff, an organization representative, I want to download a template and enter my data into it so I know for sure what file formats are acceptable and the fields in them.

18. As Alice, TEQ project staff, I want to be able to see a log of which organizations contributed to the data along with their timestamps

19. As Alice, TEQ project staff, I want all organizations to be able to create an account but not be able to upload their data until I have confirmed the account is linked to the organization.

20. As Jeff, an organization representative, I want to be able to create an account easily and ask TEQ for my account credentials if I forget them

21. As Jeff, an organization representative, I want to undo the data I uploaded if I find a mistake in it.

Version 1

1. As Jeff, an organization representative, I want to be able to upload a form to the software in the form of ICare Excel templates, so TEQ can use the data

2. As Bob, low level TEQ project staff, I want to be able to generate a report, so that the data can be used for boardroom presentations.

3. As Alice, mid level TEQ project staff, I want to be able to have many options in terms of filtering, processing, querying data.

4. As Cody, high level TEQ project staff, I want all organizations to be able to create an account but not be able to upload their data until I have confirmed the account is linked to the organization.

5. As Bob, low level TEQ project staff, I want to be able to detect and resolve conflicting data, so that I can keep the integrity of the data.

6. As Jeff, an organization representative, I want conflicting data to be resolved automatically, so that I don't have to worry about minor data conflicts.

7. As Alice, mid level TEQ project staff, I want to be able to review logs of data that have been resolved automatically so that I can review it if issues arise

8. As Jeff, an organization representative, I want to download a template and enter my data into it so I know for sure what file formats are acceptable and the fields in them.

9. As Alice, mid level TEQ project staff, I want to be able to see a log of which organizations contributed to the data along with their timestamps

10. As Bob, low level TEQ project staff, I want the raw data sorted in a format with charts, graphs, and tables so that I can visualize the performance of different programs.

11. As Jeff, an organization representative, I want to be able to create an account easily and ask TEQ for my account credentials if I forget them

12. As Jeff, an organization representative, I want to be able to be able to fill out a form that will input the data in manually so I do not have to deal with excel files

13. As Jeff, an organization representative, I want the form to show the required fields, so that I can give the refugee's important information clearly and consistently.

14. As Jeff, an organization representative, I want to be able to change everything in form back to default with one click

15. As Jeff, an organization representative, I want to be able to go back to home page with one click.

16. As Jeff, an organization representative, I want to undo the data I uploaded if I find a mistake in it.

17. As Jeff, an organization representative, I want to be able to upload excel files other than iCare, so that I don't have to transfer or lose the gathered data.

Version 2

1. As Jeff, an organization representative, I want to be able to upload a form to the software in the form of ICare Excel templates, so TEQ can use the data
2. As Cody, high level TEQ project staff, I want to be able to generate a report, so that the data can be used for boardroom presentations.

3. As Bob, low level TEQ project staff, I want to be able to detect and resolve conflicting data, so that I can keep the integrity of the data.

4. As Alice, mid level TEQ project staff, I want to be able to have many options in terms of filtering, processing, querying data.

18. As Cody, high level TEQ project staff, I want all organizations to be able to create an account but not be able to upload their data until I have confirmed the account is linked to the organization.

19. As Jeff, an organization representative, I want conflicting data to be resolved automatically, so that I don't have to worry about minor data conflicts.

20. As Alice, mid level TEQ project staff, I want to be able to review logs of data that have been resolved automatically so that I can review it if issues arise

21. As Jeff, an organization representative, I want to download a template and enter my data into it so I know for sure what file formats are acceptable and the fields in them.

22. As Alice, mid level TEQ project staff, I want to be able to see a log of which organizations contributed to the data along with their timestamps

23. As Bob, low level TEQ project staff, I want the raw data sorted in a format with charts, graphs, and tables so that I can visualize the performance of different programs.

24. As Jeff, an organization representative, I want to be able to create an account easily and ask TEQ for my account credentials if I forget them

25. As Jeff, an organization representative, I want to be able to be able to fill out a form that will input the data in manually so I do not have to deal with excel files

26. As Jeff, an organization representative, I want the form to show the required fields, so that I can give the refugee's important information clearly and consistently.

27. As Jeff, an organization representative, I want to be able to change everything in form back to default with one click

28. As Jeff, an organization representative, I want to be able to go back to home page with one click.

29. As Jeff, an organization representative, I want to undo the data I uploaded if I find a mistake in it.

30. As Jeff, an organization representative, I want to be able to upload excel files other than iCare, so that I don't have to transfer or lose the gathered data.

Changes from previous versions
- Reordered user stories based on importance
- Changed user stories to fulfill needs of version 1 personas

Personas used
- Version 1

Tasks

Version 0

User Story	Task	Story Points	Dependencies	Description	Details/Notes
U1	T1	3	None	Create a simple SQLite database that is able to store an ICare template, along with creating a corresponding schema	Refer to ICare template () Since it is so large, it would make sense to split the data into multiple tables
			The following are the names of the tables: - Employment related - Community connection - Information and Orientation - Client Enrollment - Client Setup - Client Exit		
U1	T2	2	T1	Create script to take a .csv ICare template And dump it into the database	Refer to ICare template
U1	T3	3	T1	Create a method that will let the user pick which file has the to-be-uploaded data	Make sure the picker only allows .csv files to be uploaded
U2	T4	3	None	Create a main menu with button to go to each widget	Buttons do not need to do anything yet
	T5	5	None	Design a GUI with writable fields, labels for the fields, and a send button	For now the fields are all text, though some will need to be replaced with dropdown menus
	T6	2	T1, T5	When the send button is clicked, create a method to send the	

				data into the database	
U3	T7	1	T5	Add a button called reset and create a method that resets all of the data in the template back to default	
U4	T8	1	T6, T3	Add a button to take the user back to the main menu screen, and add functionality to the main menu button to let the user get back to the form	
U5	T9	2	T1	Create a method that will create an ICare template csv file that is output to the file using the state of the current database	
	T10	5	None	Create a GUI screen with buttons for the different ways to output the options	
	T11	2	None	Create a method that will let the user pick the name of the report and where it will be output	For the time being only allow CSV files to be output
	T12	1	T4, T8-T11	Allow the user to get to this screen from the main menu and back using the same button as T8	

Version 1

User Story	Task	Story Points	Dependencies	Description	Details/Notes
		The following are the names of the tables: - Employment related - Community connection - Information and Orientation - Client Enrollment - Client Setup - Client Exit			
	T2	2	T1	Create script to take a .csv ICare template And dump it into the database	Refer to ICare template
	T3	3	T1	Create a method that will let the user pick which file has the to-be-uploaded data	Make sure the picker only allows .csv files to be uploaded
U2	T4	3	None	Create a main menu with button to go to each widget	Buttons do not need to do anything yet
	T5	5	None	Design a GUI with writable fields, labels for the fields, and a send button	For now the fields are all text, though some will need to be replaced with dropdown menus
	T6	2	T1, T5	When the send button is clicked, create a method to send the data into the database	
U3	T7	10		Add parsing options for high level TEQ workers	
U4	T8	1	T6, T3	Add a button to take the user back to the main menu screen, and add functionality to the main menu button to let	

				the user get back to the form	
U5	T9	2	T1	Create a method that will create an ICare template csv file that is output to the file using the state of the current database	
	T10	5	None	Create a GUI screen with buttons for the different ways to output the options	
	T11	2	None	Create a method that will let the user pick the name of the report and where it will be output	For the time being only allow CSV files to be output
	T12	1	T4, T8-T11	Allow the user to get to this screen from the main menu and back using the same button as T8	

Changes from previous versions

- Changed U3 to adding parsing

Version 2

User Story	Task	Story Points	Dependencies	Description	Details/Notes
U1	T1	2		Create database	
	T2	4	T1	Login accounts	
	T3	3	T1	Schema	
	T4	5	T1, T3	Upload data from csv file to database	
	T5	5		GUI for login, upload data,	

	T6	1	T1-T6	Connect front end to back end	
U2	T7	3	T1-T5	Get data from database and output to file	
	T8	3		GUI for all levels of TEQ staff	
	T9	2	T9, T8	Display data on GUI	
	T10	1	T10	Connect front end to back end	
U3	T11	5	T5	Compare past data with what user uploaded in the past and confirm	
	T12	1	T11	Confirmation GUI	
	T13	1	T11-12	Connecting backend and frontend for confirmation GUI	
U4	T14	5	T7	Retrieve specific data from database	
	T15	5	T14	Gui to filter what data is to be retrieved	
U5	T16	1	T2	Confirm accounts by TEQ and add confirmation boolean to every account	
	T17	1	T16	GUI for confirming account	
	T18	1	T16-17	Connect frontend and backend	

Changes from previous versions
- Broke down every user story more