CSCC01 Sprint Backlog #5

Team Name: Ctrl-Alt-Elite
Team Number: 11
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Tasks

U1:T1 - Create Database Structure**:** Given the main requirements of this new system, we need to store certain type of data besides the iCare templates. In this task, the main entities for user accounts and templates need to be created, as well as initializing the attributes for each.
U1:T2 - Create User Interface**:** Create the user interface for when a user needs to create a new entity/table for a template.
U1:T3 - Create Base classes: Create base classes for templates and users involved in adding templates. Implement interfaces for the MVP Pattern.
U1:T4 - Create API for Databases: Create API for the SQL Database.
U1:T5 - Integrating User Interface and Database API: Connect classes and functionalities from the User Interface to the API
U1:T6 - Create Database Templates**:** Implement “Client Profile” and “Needs Assessment and Referrals Service” templates in the Database.
U1:T7 - Create Database Templates**:** Implement “Community Connections” and “Language Training - Client Enrolment” templates in the Database.
U1:T8 - Create Database Templates**:** Implement “Employment Related Services” and “Information and Orientation” templates in the Database.
U1:T9 - Create Database Templates**:** Implement “Language Training - Course Setup” and “Language Training - Client Exit” templates in the Database.
U1:T10 - Database Integrations: Integration of T6 to T9 by merging the different database pieces into one.
U1:T11 - Parse Column names: Get raw values from an Excel file, return the name of the template and the column names.
U1:T12 - Refactor Database API: Redesign the database API and implement the changes in order to handle requirements properly.
U2:T1 - Update Database: Set up connection between our application and the database, to be able to store the data that has been inputted.
U2:T2 - Create User Interface: Create the user interface for agencies to select an excel file to upload to send data through our application.
U2:T3 - Update Database API: Set up connection between our application and the database, to be able to store the data that has been inputted.
U2:T4 - Integrate API UI: Integrating view and presenter for the system to verify if the file uploaded is valid or not. If it is, it will update the database, if not, it will send an error message to the user.
U2:T5 - Parse Column Types and Examples: When uploading a file to the system, the columns need to be parsed and matched to the database accordingly, also return the required columns.
U2:T6 - Tracking ClientDataFormId for UploadTemplate: When uploading a file to the system, time of upload must be noted in the database for future reference. In addition, refactoring the design for usecases to reduce reasons of change.
U2:T7 - Acceptance Testing of U2: Perform testing to verify all functionalities that should be implemented based on the user story.

***U2:T8* - Multi-Sheet File:** When uploading a file to the system, if the user uploads an Excel file with more than one sheet, user can select which sheet they want to upload to the application.
U3:T1 - Add API to Parse CSV: Set up compatibility when uploading CSV type file.
U3:T2 - Edit class to add CSV: Edit createUsingFile class, that was implemented on previous tasks, to add CSV.
U3:T3 - Acceptance Testing of U3**:** Perform testing to verify all functionalities that should be implemented based on the user story.
U4:T1 - Update Database: Update database with new user accounts and store its permissions.
U4:T2 - Create User Interface: Create the user interface for TEQ to create new user accounts and grant different types of permissions.
U4:T3 - Create Base Classes: Create base classes for different type of user accounts: Administrator, Agency and TEQ.
U4:T4 - Acceptance Testing of U4: Perform testing to verify all functionalities that should be implemented based on the user story.
U4:T5 - Search Account: Implement account option to search an account and get details shown on the screen.
U4:T6 - Search Account Testing: Perform testing to verify all functionalities that should be implemented based on the second part of the user story.
U5:T1 - Create User Interface: Create the user interface for TEQ to have access to the agencies' data and check for errors.
U5:T2 - Retrieve Data from Database: Create Use Case in model and presenter to get data from database and return it to the presenter to communicate with view.
U5:T3 - Integrate User Interface and Data: Integration of User Interface to the correspondent functionalities.
U5:T4 - Acceptance Testing of U5: Perform testing to verify all functionalities that should be implemented based on the user story.
U5:T5 - Edit and Update Data From Table: Allow the user to update the user data when viewing the data in the View Data menu.
U6:T1 - Create User Interface: Create the user interface for TEQ to get reports.
U6:T2 - Fetch Attributes in database: Fetch all the attribute names for the all templates in the database. Used by view to display to user.
U6:T3 - Update the database structure: update the specific templates tables to have new column to save the clientDataFormId. update the VariableName table to have another column to save the templateName.
U6:T4 - Generate Reports: Create the GenerateReportUseCase to generate the custom report when client select the attribute and time range wanted. Getting the specific data from database and write to a csv file.
U6:T5 - Integrate back end and front end: Integration of User Interface to the correspondent functionalities.
U6:T6 - Acceptance Testing of U6: Perform testing to verify all functionalities that should be implemented based on the user story.
U7:T1 - Create User Interface: Create User Interface for TEQ to enter SQL select queries to generate reports.

U7:T2 - Implement Report: Implement functionalities in model and presenter in order to run the enter query, verify that is a correct query and return an output.
U7:T3 - Integrate User Interface and Report: Connect the model and presenter to the view methods to run the functionalities accordingly.
U7:T4 - Acceptance Testing of U7: Perform testing to verify all functionalities that should be implemented based on the user story.
U8:T1 - Account Type: When creating an account, need to specify the account type (TEQ staff or Settlement officer).
U8:T2 - Create classes: Create user classes (abstract, TEQ and officer) and agency classes.
U8:T3 - UI for registering new users: When a new user first login, ask user to fill out a form with their personal information and agency details if user is agency type.
U8:T4 - UI for different account types: Create two different dashboards for the two different types of accounts and permissions.
U8:T5 - Check Permission: Check whether user account is registered and if it is not, ask to register and fill up the correspondent form depending on the account type.
U8:T6 - Register new user: Getting information from UI(form) and insert the data to specific tables in database.
U9:T1 - Automatically fix template errors: Replace double space with single spaces, and remove the leading and trailing spaces.
U10:T1 - Create DuplicateKeyException: When upload fails, upload template will return a list of exception to find out the reason. If duplicateKeyException caused by inserting two identical rows, .
U10:T2 - Create UI: When uploading template failed, get a list of exception and if there is any error ask client to enter valid input.
U10:T3 - Fix conflictException: Upon exceptions while uploading data to a template - DuplicateKeyException or InvalidKeyException, get information from the user regarding exceptions where user needs to modify input to solve and then verify the fix by inserting into the database.
U11:T1 - Create Report: Create a table called report to store the present query in data
U11:T2 - insertNewPresetQuery into database: Create the userCase inserting new valid select query to report table to add presenter and view.
U11:T3 - Create view to show preset queries: Create report using existing query.
U11:T4 - Write Report to a CSV file: Convert result of the query into a file
U11:T5 - Preset Reports: Insert some reports formats into database to present some possible reports.
U12:T1 - Add new Templates with UI: Add new iCare templates using the application.

Legend:
Bold - Completed tasks in this sprint.
Grey - Completed tasks on the previous sprints.
Italics - New tasks that were created during Scrum meetings.

Tasks Assignments (Execution)

Jun:

- U8:T1
- U8:T4
- U8:T5
- U8:T6
- U9:T1

Vishwa:

- U2:T8
- U8:T2
- U8:T3

Tayyab:

- U4:T4

Leo:

- U2:T5

Angela:

- U4:T5
- U4:T6

Sprint Plan

User Stories	Tasks	Dependency	Story Points	1	2	3	4	5	6
U2	U2:T5		5	L:1	L:1	L:1	L:1	L:1	
U4	U4:T4	U4:T1,T2,T3	5	T:1	T:1	T:1	T:1	T:1	
U4	U4:T5		4	A:1	A:1	A:1	A:1		
U4	U4:T6	U4:T5	2					A:1	A:1
U8	U8:T1		1	J:1					
U8	U8:T2		3	V:1	V:1	V:1			
U8	U8:T3		3				V:1	V:1	V:1
U8	U8:T4		1		J:1				
U8	U8:T5		1			J:1			
U8	U8:T6	U8:T1, T4	1				J:1		
U9	U9:T1		2					J:1	J:1
U10	U10:T1		1						L:1
U10	U10:T2		1						T:1

Sprint Report

User Stories	Tasks	Dependency	Story Points	1	2	3	4	5	6
U2	U2:T5		5	L:1	L:1	L:1	L:1	L:1	L:1
U2	U2:T8		1						V:1
U4	U4:T4	U4:T1,T2,T3	5	T:1	T:1	T:1	T:1	T:1	T:1
U4	U4:T5	U4:T5	4	A:1	A:1	A:1	A:1	A:1	
U4	U4:T6		2						A:1
U8	U8:T1		1	J:1					
U8	U8:T2		3	V:1	V:1	V:1			
U8	U8:T3		3				V:1	V:1	
U8	U8:T4		1		J:1				
U8	U8:T5		1			J:1			
U8	U8:T6	U8:T1, T4	1				J:1		
U9	U9:T1		2					J:1	J:1

Burndown chart

Days	0	1	2	3	4	5	6
Provisial (in story points)	30	29	24	24	20	19	2
Actual (in story points)	30	29	24	24	16	14	0