Data Migration Tool - (Application high level use cases)

1. Login
2. Logout
3. User profile management
   1. Change password
   2. Change user profile
4. User management
   1. Create new user
   2. Manage user profile
   3. Remove users
5. Home screen with recent projects – show project status
6. Project management
   1. Create new project
      1. Add new project name, description & data source
         1. Create new database & insert data from the source
         2. Save new project with new database name
         3. Add owner of the project logged user
         4. Redirect to project dashboard
   2. Manage project
      1. assign user to project
         1. search users then select multiple & add to project
      2. Add data source to existing project
         1. Select the project go to project dashboard
         2. Add new data source
   3. Data cleansing
      1. Load tables from source
      2. Select tables from source then click cleans button which located on top of table list (then create a new table with Alice [clns]\_tableName)
      3. Show data from source – pagination required
      4. Filter data from selected table
      5. Select columns
      6. Show filtered data – pagination required
      7. Apply change
      8. Preview data
      9. Apply change to clans table – add history filter query, update query, user, time
   4. Data migration
      1. Mapping source & target
         1. View source tables
         2. View cleans tables
         3. View query
         4. Save mapping & re-open
      2. Get confirmation from user
      3. Insert data from source to selected target database – (use transaction to transfer data)

Development components

1. Application architecture & design
2. Database design
3. Project structuring

Project’s module

1. Pagination module
2. Query generation engine
3. Notification module(signalR)

Case study

Major Areas to address

* Explore Data
* Clean & Transform Data
* Reconcile & Match Data
* Migrate Data

Applications

1. WinPure
   1. Data
      1. Import data from data sources
         1. Excel
         2. SQL database
         3. MySQL database
         4. CSV
   2. Clean
      1. Remove
      2. Convert
      3. Standardize
      4. Split
      5. Merge
   3. Match