

CSCE 606 Iteration 2

Team: Flyer

Customer meeting date to demo this iteration:

11/04/2016 Friday afternoon at CBGSE (<http://cbgse.tamu.edu/831/>)

User stories implemented in this iteration:

Feature: Extracting the data set from public websites

As an administrator

So that I can automatically assign the data set to users

I want to provide the term for searching in ArrayExpress

(<https://www.ebi.ac.uk/arrayexpress/>)

Note: This function has not been completed and will continue in next iteration.

Feature: Assigning Questions with dataset

As an administrator

So that I can assign 1-5 Yes or No questions to a set of dataset

I want to ask user to show their curation results related to these questions

Feature: Assigning datasets to a certain group

As an administrator

So that I can assign datasets to a group of students

I want to choose which group the datasets are sent to.

Feature: Answering Administrator's questions

As a user

So that I can answer questions of each dataset according to my curation results.

I want to choose the answer to Administrator's question.

Feature: Training

As a new user to this website

So that I can easily learn the necessary steps to conduct curation on the websites

I want to receive training materials rendered in a user-friendly fashion

Views

User view for answering questions:

GENETIC DATASET CURATION

[Home](#) [Tutorial](#) [Hello, Wenrui Zhang](#)

Questions

DataSet	Disease	Relevant?	Reason
E-MEXP-2276	Achondroplasia	<div><input type="radio"/> Yes <input type="radio"/> No</div> <div>clear</div>	<div></div>
E-MTAB-62	Acoustic neuroma	<div><input type="radio"/> Yes <input type="radio"/> No</div> <div>clear</div>	<div></div>
E-MEXP-427	Acoustic neuroma	<div><input type="radio"/> Yes <input type="radio"/> No</div> <div>clear</div>	<div></div>
E-GEOD-9006	Acanthosis nigricans	<div><input type="radio"/> Yes <input type="radio"/> No</div> <div>clear</div>	<div></div>
E-GEOD-29016	Acrokeratoelastoidosis of Costa	<div><input type="radio"/> Yes <input type="radio"/> No</div> <div>clear</div>	<div></div>

Tutorial page:

GENETIC DATASET CURATION

[Home](#) [Tutorial](#) [Hello, 666](#)

Data Curation Manual

1 Website

<https://www.ebi.ac.uk/arrayexpress>

2 Filter selection

• By organism - Homo sapiens

• By experiment type - rna assay

3 Procedure

3.1 Search disease name by using the correct filter in ArrayExpress

3.2 For each Accession, check the following

3.2.1 Check if this accession is about MicroRNA

The following two datasets are all examples of MicroRNA

• Huntington's Disease, E-GEOD-64977

E-GEOD-64977

<https://www.ebi.ac.uk/arrayexpress/experiments/E-GEOD-64977/>

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BDD&TDD test

For training feature:

```
require 'rails_helper'
Feature: Tutorials are offered to all of the users

describe "To get help on answering the problems, user" do
  it 'can click the button (Tutorial)'
  it 'will be showed information on curation skills'
  it 'can be redirected back to either profile page or login page'
  it 'can click the Download link to download manual as pdf'
end
```

```
  it 'can click the button (Tutorial)' do
    visit '/'
    expect(page).to have_link('Tutorial')
    click_link('Tutorial')
  end
```

BDD & TDD results:

```
hawkzuo:~/workspace/DiseaseDatasetCuration (master) $ rspec spec/features/help_rspec.rb
****

Finished in 0.2478 seconds (files took 3.32 seconds to load)
4 examples, 0 failures
```

Pivotal Tracker, Github repo, and Heroku links:

Pivotal: <https://www.pivotaltracker.com/n/projects/1887551>

Github: <https://github.com/xvxiaopei/CSCE606-project>

Heroku: <http://disease.herokuapp.com/>