IT632 Software Engineering
202112114 Lab4

Q1 -> Dataset: g27-culrepo | first 20 user stories:

1. **As a faculty member, I want to access a collection within the repository so that I can obtain research materials.**

➔ **The user story is correct.**

● Check if the repository exists.
● Check if the accessing member is a faculty member.
● Check the authentication of the faculty member before accessing the collection.

2. **As a faculty member, I want to direct students to an item within the repository so that I can facilitate my teaching (i.e., desire's ability to link to content).**

➔ **The user story is correct.**

● Validate faculty members.
● Validate Student.
● Check the authentication of students accessing the item in the repository if the student is the one who the faculty member wants to share the contents of the repository.
● Check if the repository exists.

3. **As a Cornell faculty member, I want to upload data to the repository and associate it with a publication, so that I receive attribution for my data as well as my publications.**

➔ **The user story is correct.**

• Validate the faculty member as Cornell faculty member.
• Validate the data is uploaded to the desired repository.
• Validate the publication.
• Check if the association of data is successful with publication.

4. **As a patron, I want to know which reports/datasets are coming out when so that I can access the latest report/dataset.**

➔ **The user story is correct.**

• Validate the user as a patron.
• Arrange the reports/datasets according to the date (latest to oldest).

5. **As a patron, I want to select/deselect reports/datasets to be emailed, possibly many at one time, when new versions are available.**

➔ **The user story is incorrect.**

6. **As a DB/IR administrator, I want to mark the report/dataset not to be emailed/viewable due to an error being discovered.**

➔ **The user story is correct.**

• Validate the user as DB/IR administrator.
• Store the name/id of the user who marked the report/dataset.
• Check when opening or viewing the repository, if the report/dataset is marked, don't show that in the list.

7. As a DB/IR administrator, I want to manage report/dataset name changes so patrons are able to find historic reports that have a different name from the current report.

➔ **The user story is correct.**

● Validate the user as DB/IR administrator.
● Store the name of the report/dataset with the date when it is changed.
● Validate the user as patrons when viewing the historic reports.

8. As a Cornell faculty member, I want to see clearly what reuse rights I have to files discovered in the repository so that I know how I can reuse them.

➔ **The user story is correct.**

● Validate the faculty member as a Cornell faculty member.
● Show the rights to the user viewing it if the faculty member has the right to reuse or not.
● If the user has the right to reuse it, store the data of a user who is reusing it.

9. As a library staff member, I want to apply or remove an access embargo to an item when asked to do this by an item author.

➔ **The user story is correct.**

● Validate the user as a library staff member.
● Validate the author whose item, a user is trying to access embargo of.
● Check if the user(library staff member) has permission to apply or remove an access embargo.
● Apply/remove an access embargo if both the users are validated.

10. **As a researcher, I want to stay up to date on research related to a given topic at Cornell, including those in other departments/schools, so that my own research remains relevant and innovative.**

➔ **The user story is correct.**

● Validate the user as a researcher.
● Check if there are any updates made by any user from Cornell on the given topic.
● Validate the researcher to view the updates on the topic when he/she opens the system.
● Show the details of users who have done any progress on the research on the given topic.

11. **As a faculty member, I want to easily collect my publications -- both those within the repository and without -- into a single online access point, so that I can raise the profile of my work.**

➔ **The user story is correct.**

● Validate the user as a faculty member.
● Show all the publications which contain the id/name of the faculty member.
● Let the faculty member download/copy/edit its own work.

12. **As a cross dept project team member, I want to have a better place to collect and share project materials, with a range of organization/tagging and access options, including private (internal group use only), University, and public.**

➔ **The user story is incorrect.**

13. As a Cornell faculty member, I want to upload data and provide a cut and paste the formatted citation for people who use it, so that I receive proper attribution for my work.
→ **The user story is incorrect.**

14. As a patron, I want to view/upload content in multiple formats, including old formats such as Lotus Works.
→ **The user story is incorrect.**

15. As a Cornell faculty member, I want to search the repository and browse through its contents on my phone, so that I can check things on the go.
→ **The user story is incorrect.**

16. As a Cornell faculty member, I want to log in remotely to the repository using Shibboleth, so that I can get remote access to Cornell campus-only content.
→ **The user story is incorrect.**

17. As a Cornell faculty member, I want to have some control over how items within my collection sort in the collection contents list so that I can control how my work is presented.
→ **The user story is incorrect.**

18. As an administrator, I want to be able to use systems such as Symplectic Elements and Activity Insight to properly track faculty scholarly output in the repositories, so that I can facilitate personnel decisions.
→ **The user story is incorrect.**

19.   As a library staff member, I want to access useful and comprehensive usage statistics and analytics, including all metrics, at the repository, collection, author, and item level, so that I can assess the results of this service.

→ **The user story is incorrect.**

20.   As an administrator, I want to see comprehensive tracking statistics that can be presented to faculty in a digestible way, so that I can increase buy-in for contributing their work.

→ **The user story is incorrect.**

Q2 -> User Stories:

➢ **TASK:** To create small user stories having all possible roles and tasks of a QA for an e-commerce website.

➢ **FUNCTIONALITY:** Customers can purchase items from the website.

1. **As a customer, I want to select a credit card payment method so that I can pay using my credit card.**

● Validate the customer, check if the username and password are correct.
● Provide different payment methods.
● Verify the credit card when data is inserted.

2. **As a customer, I want to see the details of the product I am checking out so that I can confirm the order before purchasing.**

● Validate the customer, check if the username and password are correct.
● Show the details of the products and the price the customer is purchasing.
● Check if the user is deleting/editing the quantity/adding a new product to the list.

3. **As a customer, I want to get notifications on ongoing sales so that I can purchase the product at discount.**

● Validate the customer, check if the username and password are correct.
● Send notification when the seller puts the product on sale.
● Check if the offer code is valid when a user is entering while purchasing.

4. **As a customer, I want to see the delivery charges before purchasing so that I can pay it together and not have to worry about paying it when it is delivered.**

● Validate the customer, check if the username and password are correct.
● Show delivery charges when a customer is purchasing the product.
● Let the user include the delivery charge when paying for the product.

5. **As a customer, I want proof of verification of the product mentioned on site so that I don't get an unverified product.**

● Validate the customer, check if the username and password are correct.
● Validate the seller.
● Check if the seller is uploading the verification proof of the product.

6. **As a customer, I want to give feedback on the product I have purchased so that the sellers and other customer knows what I think of the product.**

● Validate the customer, check if the username and password are correct.
● Let the user give feedback on the product he/she has purchased.
● Check if the user has given a rating when giving the feedback.

7. **As a customer, I want different options for a particular product so that I can purchase my desired size/color or specific requirement.**

● Validate the customer, check if the username and password are correct.
● Show different options of the product if the seller has included them.

8. As a customer, I want a confirmation of the payment of the product I purchased so that if needed I can use that as proof if anything happened to the product.

● Validate the customer, check if the username and password are correct.
● Send a confirmation when customer payment is successful.
● If there is a fault in the product, check the purchased product id and verify it.

9. As a customer, I want to contact to the seller so that I can ask my query regarding the product.

● Validate the customer, check if the username and password are correct.
● Show the user data when viewing a product.
● Check if the entered email address is valid when asking the query.
● Check if the query is not more than 150 words.

10. As a customer, I want to change the password of my profile so that if I forget or want to change the password I can.

● Validate the customer, check if the username and password are correct.
● Re-enter the old password, and check if it's correct.
● Check if the new password is of length not more than 10.
● Checks if the new password contains symbol + numeric + alphabet.