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Discover-N-Deploy

Milestone 1

CSCI 152

QA Report

This report is being created for the quality assurance of the software created by the Discover-N-Deploy Team. Below there are 7 unique reports for the testing being done where each segment is a piece of the database. For the following tables, the attributes are set up in a way such that 0 = false indicating it is in a format that should not be accepted and 1 = true indicating that it's in a format that should be accepted. In the following tables we will be testing each attribute individually.

-Person-

The person table keeps track of the people in our database where their university ID is used as a primary key to keep track of their activity in other tables. This table will use their university ID as the main key to track them in other tables.

UniversityID	Email	FirstName	LastName	PhoneNumber	Role	Expected Output	Output
1	1	1	1	1	1	1	1
0	1	1	1	1	1	0	0
1	0	1	1	1	1	0	1
1	1	0	1	1	1	0	1
1	1	1	0	1	1	0	1
1	1	1	1	0	1	0	1
1	1	1	1	1	0	0	0

Issues: (Jira ID: CSCI1-4)

- Email isn't constrained to an email, any string can be input. We need to constrain some string followed by a mandated @mail.fresnostate.edu
 - Approved/Denied: Deny
- Phone number allows for insertion of letters rather than strictly number. It should be strictly numbers
 - Approved/Denied: Deny
- First and last names allow for numbers to be inserted as names. Should be restricted to only letters A-Z as input.
 - Approved/Denied: Deny
- University ID allows for letter input, I think university ID's are only numbers but could be wrong.
 - Approved/Denied: Deny

-Program-

Program Allows us to create programs that students can participate in such as an ipad program that we want available to all students.

ID	CodeName	Depreciated	AvailableTo	Expected Output	Output
1	1	1	1	1	1
0	1	1	1	0	0
1	0	1	1	0	0
1	1	0	1	0	0
1	1	1	0	0	0

-Waitlist-

Waitlist is a table where we will store a list of people who need devices. If all ipads are checked out we should be able to add them into the waitlist. The waitlist should create a unique ID to document this case which will have the information of their university ID along with the brand and model they are being waitlisted for.

UniversityID	ID	Brand	Model	Expected Output	Output
1	1	1	1	1	1
0	1	1	1	0	0
1	0	1	1	0	0
1	1	0	1	0	1
1	1	1	0	0	1

Issues: (Jira ID: CSCI1-4)

- The brand and model aren't restricted to the brands and models we have in the inventory. Similar to how we restrict users to being freshman, sophomore, etc. these attributes should also be restricted since you can input information that doesn't match with the actual inventory.
 - Approved/Denied: Deny

-Item-

The item table is responsible for keeping track of all the devices we have. It also serves to add new devices into the database. This will be very important as this is the main information we will be using when checking out devices to students.

SerialNumber	Brand	Model	CodeName	Status	Expected Output	Output
1	1	1	1	1	1	1
0	1	1	1	1	0	0
1	0	1	1	1	0	0
1	1	0	1	1	0	0
1	1	1	0	1	0	0
1	1	1	1	0	0	1

Issues: (Jira ID: CSCI1-4)

- Status returns null regardless of input. Status should be checked out or not?
 - Approved/Denied: Approve

-Help-

The help table will serve as a way for faculty to contact the discover team when they face technical issues in their classrooms.

UniversityID	ID	FirstName	LastName	Room	Problem	Resolved	Expected Output	Output
1	1	1	1	1	1	1	1	1
0	1	1	1	1	1	1	0	1
1	0	1	1	1	1	1	0	0
1	1	0	1	1	1	1	0	1
1	1	1	0	1	1	1	0	1
1	1	1	1	0	1	1	0	0
1	1	1	1	1	0	1	0	0
1	1	1	1	1	1	0	0	0

Issues: (Jira ID: CSCI1-4)

- University ID returns null when posted. It should be required to post.
 - Approved/Denied: Approved
- Since we already have their university ID, input of first/last name shouldn't be necessary as you can get that information from their ID and connect it.
First/last name can be input as numbers which shouldn't be the case.
 - Approved/Denied: Approved

-Checkout-

Students will be checking out devices so we will use a special checkout table to track this information. The information will be the university ID of the student along with serial number of the device with the appropriate checkout and return dates.

UniversityID	SerialNumber	CheckoutDate	ReturnDate	Expected Output	Output
1	1	1	1	1	1
0	1	1	1	0	0
1	0	1	1	0	1
1	1	0	1	0	1
1	1	1	0	0	1

Issues: (Jira ID: CSCI1-4)

- Return date should be greater than checkout date. Vise versa.
 - Approved/Denied: Approved
- Serial Number should match with the actual product the same way that university ID does but it doesn't.
 - Approved/Denied: Approved

-Application-

Application provides a list of applications the Discover team has received for devices that students want to checkout.

ID	UniversityID	Brand	Model	Status	ReviewedBy	Expected Output	Output
1	1	1	1	1	1	1	1
0	1	1	1	1	1	0	0
1	0	1	1	1	1	0	0
1	1	0	1	1	1	0	1
1	1	1	0	1	1	0	1
1	1	1	1	0	1	0	0
1	1	1	1	1	0	0	1

Issues: (Jira ID: CSCI1-4)

- Brand/Model are allowed to be inputted as any string where it should be restricted to what we have in the inventory.
 - Approved/Denied: Approved
- Reviewed By can be inputted as numbers where it should be constrained to letters or a universityID.
 - Approved/Denied: Approved

-Conclusion-

- Initial attribute error rate = $16/36 = 44\%$
- Accepted error rate = $10/36 = 28\%$