

Defect #	Defect	Output Before Seeding	Output After Seeding	Suggested Correction	Black box/ White box Testing	Severity
1	3-digit verification pin are super easy to crack	Would send you an email with a pin up to 2000000	Sends you a 3 digit pin	Lengthen the pin or add letters to pins or only allow a certain number of tries to make it harder to iterate through them all	Black box	1
2	End Reserve time range is 0-23	The app would allow making a reservation from 23 - 24. Giving you a pop up saying reservation has been made.	Anytime the app see's a reservations endtime at 24 it will return an error. Pop-up informing you that you made a reservation outside range	Change the endtime scope from [0,23] to [1,24]	Black box	3
3	Can use 1 less hour than you have available	If reserving a room for X hours with X hours in your allowance you would be able to make the reservation.	If you have X hours in your allowance you can only use X-1 of them.	Change the check for used \geq hours_remaining to used > hours_remaining	Black box	3
4	Doesn't verify password requirements when changing passwords	If attempting to change password to a string that does not meet password requirements a modal will pop up notifying you that the new password is invalid	The app allows the password to be changed to any string it is given.	To run a validate password function on the server side to require the user to enter a valid password on both registration and updating the password	Black box	2
5	When a room	If you click on a	If you click on	When a room is	Black box	1

	is blocked, in the modal to unblock the room it says "Block"	blocked room in the admin view it pops up with the option to Unblock the room. Clicking the button unblocks the room	a blocked room in the admin view it pops up with the option to Block the room. Clicking the button unblocks the room	clicked on check whether it is blocked or not and display Unblock if it is currently blocked		
6	Registering account does not tell you that a username has been taken	If you register an account with a username that is already taken it will return an error "username already exists"	If you register an account with a username that is already taken it will return an error "Invalid Credentials"	Make the error pop up on that specific case more verbose making sure the user knows that it is the username triggering the error	Black box	1
7	Cannot block the last room	Admin account clicks on block room for the last roomid (G136) clicks block room. Then "blocked successfully" alert will pop up and the room will be white	Admin account clicks on block room for the last roomid (G136) clicks block room. Then "blocked successfully" alert will pop up but the room will still be brown	Change the boundary value from roomid > 17 to roomid > 18	Black box	3
8	Cannot unblock the first room	Admin account clicks on the blocked room for the first roomid (G118) clicks unblock room. Then "unblocked successfully" alert will pop up and the room will be brown	Admin account clicks on the blocked room for the first roomid (G118) clicks unblock room. Then "unblocked successfully" alert will pop	Change the boundary value from roomid <= 0 to roomid < 0	Black box	3

			up but the room will still be white			
9	Cannot make reservations for first room	Making a reservation during a valid time results in an pop up informing you that the reservation was created successfully.	A popup appears complaining that the room is not a valid room.	Change roomId check from ≤ 0 to < 0	Black box	3
10	Pin verification is not enforced	When a new account is made, if you attempt to navigate back to the login screen and log in, it will redirect you to the pin page after you log in until you verify.	You can log in without having to plug in the pin if you navigate away from the pin page using the URL	Change if (verified = 1) to if (verified == 1)	Black box	
11	Reservation end time does not have to be older than reservation start time	Making a reservation starting at a time later than when it ends will alert a pop-up saying start time can't be later than the end time.	Making a reservation starting at a time later than when it ends will add the reservation to the database	Add in a check on the server side comparing starttime and endtime.	Black box	2
12	Doesn't verify whether the email user input is an valid purdue email on the server side	If the user input invalid email the it will pop an information says "Invalid Email"	User can pass the invalid email to register an account	Add on the server side the checking logic.	Black box	1
13	Modal Displays text over the username and password.	After logging in and checking the remember me box, then logging	After logging in and checking the remember me	Focusing these elements when the remember me box is checked	Black box	1

		out, username and password fields will be focused	box, then logging out, username and password fields will have text covering them			
14	Navbar doesn't display its content according to user status.	Navbar display different content depending on user's status (logged in, not logged in, admin)	Navbar is the same to all user	Change the navbar used in different user status	Black box	2
15	Registration password and confirm password fields do not have to be the same	When creating a new account if password and confirm password fields are different an error message will pop up and no account will be created	When creating a new account if password and confirm password fields are different your account will be created with the first password field as your password	Add in a check when creating an account to check the password and confirm password fields.	Black box	2
16	Reservations in the same room can't be made for the same time regardless of date	Attempting to create two reservations for the same room at the same time on consecutive days results in two new reservations being added	Reserving a room at the same time on two different days results in time conflict	Add a check to the SQL request specifying the date of the reservation when checking for time conflicts	Black box	3
17	The account portal password change does not enforce passwords to be the same.	If two passwords are inputted that do not match, the submittal will fail and the website will alert you.	The website will accept the first password as the new password.	Add in a if (\$scope.newPassword == \$scope.confirmPassword) check.	Black box	

18	First hour of a shareable reservation does not display as shareable.	A reservation marked as shareable displays in a Purdue gold color.	A reservation marked as shareable displays the first hour of the reservation as unshareable, and the rest shareable.	In validateShareable, change room[i].startTime < hour to room[i].startTime <= hour	Black box	1
19	The timetable on the righthand side of the reservation panel is 1 hour off of the actual reservations	If a reservation is made in a room when the mouse hovers over the room the highlighted hours in the table will reflect the hours reserved during that day	If a reservation is made in a room when the mouse hovers over the room the highlighted hours in the table will be one off the hours reserved during that day	Subtract or add 1 from the array loading the data into the table.	Black box	1
20	The video redirect after the tutorial does not work.	After watching the video by clicking on the play button, the user is redirected to the login screen.	Regardless of how the video is started, the video will never redirect, requiring the use of the manual redirect every time.	In video.html, change the window.location = "/video.html" to /login.html	Black box	1
21	Cannot make reservations for the last room	Making a reservation during a valid time results in an pop up informing you that the reservation was created successfully.	A popup appears complaining that the room is not a valid room.	Change roomId check from >= 18 to > 18	Black box	3

22	The recovery password function doesn't show the error message if the email is not correct.	The recover function will display error message according to server response	The recover function will always display successful message	Add an if statement in recover()	Black box	2
23	Users can make a reservation for a time past the current time but on the current day	An alert pops up stating that making a reservation for a past hour is not allowed.	The reservation is created successfully.	Use a new Date and the 0 indexed getHours function to compare start time to the current hour. If it is less, alert an error, window reload and return.	Black box	3
24	Change password functionality allows user to input different password	If the password in two boxes doesn't match an error message will be displayed	Allow user to input different password	Change the if statement	Black box	1
25	Only past reservations by day are removed	Past reservations by day and hour are removed	Old reservations for the day are not removed and hours are not refunded	Check for past hours as well as day when querying for expired reservations	Black box	2

Instructions for use:

1. Navigate to buggedrsvp.herokuapp.com
2. Create an account using your real purdue email. (Our database uses commercial security measures and SSL encryption, but we still recommend you not use your purdue password as we do not salt and hash your password).
3. If you want to access the admin area, you'll need to make yourself an admin. The best way to do so is to install MySQL Workbench and follow the instructions included in the picture to gain access to the database and manually make yourself an admin (normally the DB Admin would be in charge of making someone an admin so we did not make this possible through the client frontend).

- a. If you struggle with this, email pdelmora@purdue.edu and he will admin you.
Simply provide the email address associated with the account you want admin'd.

```
host: "us-cdbr-iron-east-03.cleardb.net",  
user: "b72754d9fb6cc7",  
password: "75d29973",  
database: "heroku_142078951fa9ec0"
```

Manage Server Connections

MySQL Connections

HerokuBugged

Connection Name: HerokuBugged

Connection Remote Management System Profile

Connection Method: Standard (TCP/IP) Method to use to connect to the RDBMS

Parameters SSL Advanced

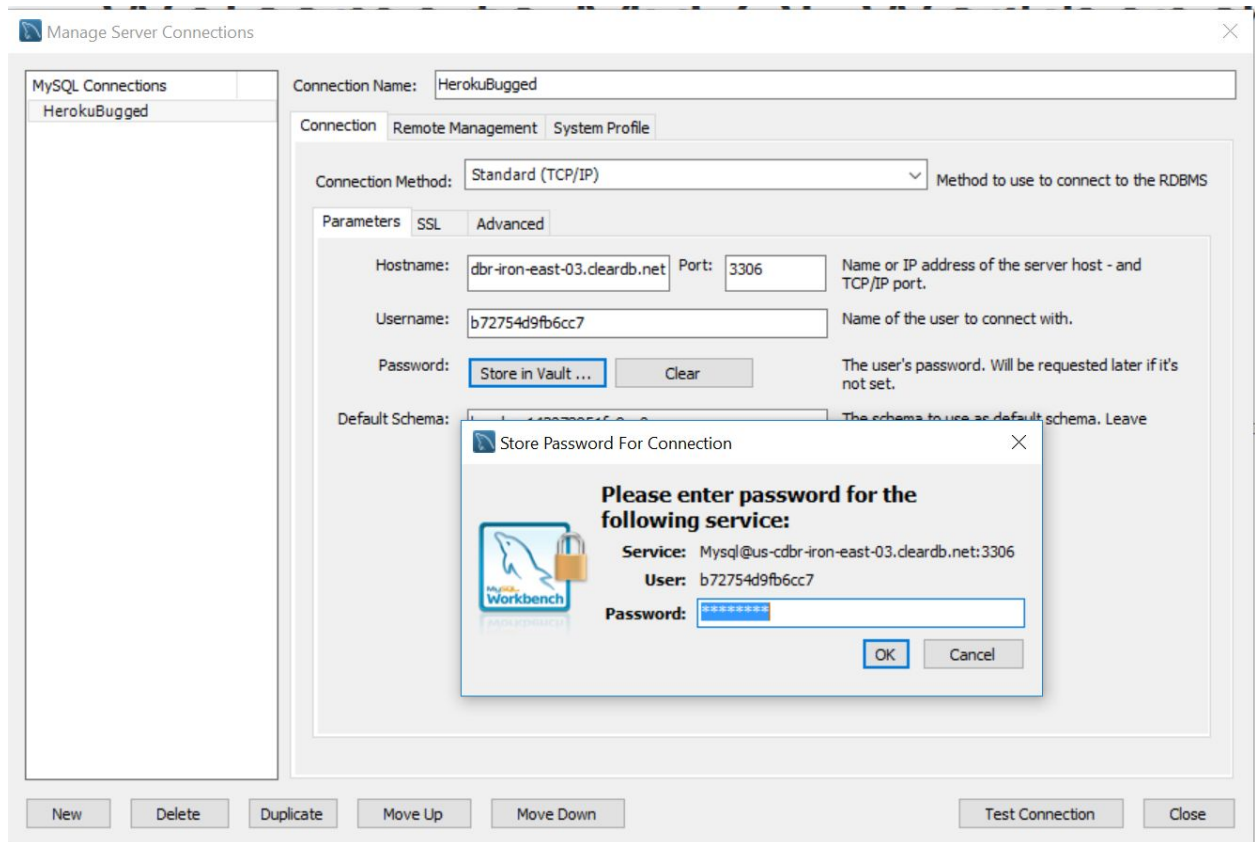
Hostname: dbr-iron-east-03.cleardb.net Port: 3306 Name or IP address of the server host - and TCP/IP port.

Username: b72754d9fb6cc7 Name of the user to connect with.

Password: Store in Vault ... Clear The user's password. Will be requested later if it's not set.

Default Schema: heroku_142078951fa9ec0 The schema to use as default schema. Leave blank to select it later.

New Delete Duplicate Move Up Move Down Test Connection Close



4. Change "is_admin" to 1, then log out and log back in.