Defect No.	Defect	Output Before Seeding	Output After Seeding	Suggested Corrections	Black Box/ White Box	Severity
1 √	Server responds with "OK" when it should return"Bad Request" when a user attempts to use to register and doesn't supply an authority token.	HTTP response with "Bad Request"	HTTP response "OK"	Add a returnBadRequest() function to the check for authority token.	Black box	3
2 √	Send a 500 character message. Server says the message is too long.	Successfully sent message	Invalid message	Check that the length is ≤ 500, instead of < 500	Black box	3
3√	If user does not include authority (e.g. FACEBOOK or GOOGLE) when using the auth login endpoint the server crashes.	HTTP response "Bad Request"	Crash	Add a check for if the authority is null	Black Box	3
4 √	Server responds with "OK" when it should return"Bad Request" when a user sends a bad authority when verifying auth tokens.	HTTP response with "Bad Request"	HTTP response "OK"	Add a returnBadRequest() function to the check for authority token.	Black Box	3
5 √	The user uses get messages with their own user_id.	HTTP response with "invalid message"	Returns the messages from themselves.	Check to see if they are receiving messages from themselves	Black Box	2
6 √	Server responds with only 10 users when requesting match list instead of 20.	First 20 matches	First 10 matches	Change the prefix number to return the first 20 instead of 10	Black Box	2
7 √	Sending a picture message that is larger than 10Mb.	Returns the image is too large	Returns valid message	Check the filesize is less than 10Mb.	Black Box	2
8 √	When a user logs out their session token is not deleted from the database, effectively not	User cannot use HiLinguale resources	User can still use HiLingaul resources after hitting	Check the database query for logging out.	Black Box	1

	logging them out.	once logged out	the logout endpoint			
9 √	When a user attempts to update their bio, it does not change in the database	Bio is updated	Bio is no longer able to updated through the user/update request	Change the sql query to set the bio	Black Box	2
10 √	When a user requests a match list, the list is not sorted by age.	List returned is sorted by age	List is no longer sorted by age	Add a sort by age in the database manager	Black Box	2
11 √	Not checking for proper audio file format.	Returns "invalid message"	Returns "Chat resource Audio"	Check to make sure it is proper audio format.	Black Box	2
12 √	Not checking if there is an empty message when sending a translation	Returns "invalid message"	Returns the empty translated message	Check to see if there is more than 0 characters in the translation message	Black Box	3
13 √	When editing a user's info the server will crash if the authorityToken is not passed	Returns an error code	Crashes the server	Guard the cast to make sure that the parameter exists	Black Box	1
14 √	Send messages to themselves	Returns "invalid message"	Returns "Chat resource message "	Check to see if recipient matches the sender id.	Black Box	2
15 √	Sending more than one picture within a message.	Returns "invalid message"	Returns "Chat resource message "	Check to see if more than 1 file is uploaded	Black Box	3
16 √	Registering without an authorityAccountId will cause the server to crash	Returns an error code	Crashes the server	Guard the cast to make sure that the parameter exists	Black Box	1
17 √	Checking for proper language format for translations	Returns "invalid translation"	Send the bad request to bing.	Make sure the language is in proper format.	Black Box	3
18 √	Server doesn't respond with bad request if JSON body is empty in the auth endpoints.	HTTP response with "Bad Request"	Server returns 200 ok.	Add a check for a nil JSON body	Black Box	3

19 √	Requesting flashcards without setid.	Returns "invalid flashcard"	Crash	Guard the setid to make sure it exists.	Black Box	1
20 √	When a user updates their profile and does not provide a name field the server will crash	Continues without changing the name field	Crashes Server	Check to see if the name passed exists	Black Box	1
21 √	**Requesting nonexistent flashcards from server**	Returns empty array.	Returns "Invalid flashcard!"	Check to see if the size is 0	Black Box	3
22 √	When requesting to the user resource, if the path is neither "match" nor "update" then the server will still send an ok response.	Returns an error response	Returns an ok response	Return the correct error response when the path does not exist	Black Box	2
23 √	When a user attempts to register with an already existing authority the server crashes	HTTP response with "OK"	The server crashes	Check to make sure the database manager returns a valid user or catch for nil.	Black Box	1
24 √	When a user registers with a request that does not contain an authority parameter the server will crash	The server responds with an error code	The server crashes	Check to make sure the authority parameter exists	Black Box	1
25 √	Sending flashcards with an invalid auth token	Returns "invalid auth"	Crashes the server	Check to make sure auth is valid.	Black Box	1
26 √	Creating multiple sets of flashcards with the same set id will overwrite other user's flashcards	The different sets did not interfere	Creating the new set overwrites the old set	Check the user ids when creating and retrieving flashcards	Black Box	1