Backend Unit Test

UT_n belongs to test file n in the test folder. For example, UT_1 is related to test file test1-connection.js

Unit Test ID	Module	Details	Expected result
UT_1_1	General	Check mongoDB's connection.	• Database connected.
UT_1_2	General	Check it's the test database and NOT the production database.	• The database name is testDatabase.
UT_2_1	User	Test if the User collection is empty using GET route.	• Return an empty array
UT_2_2	User	Prevent creating an user without a *firstName* field.	• Return an error with message "`Missing or invalid firstName`"
UT_2_3	User	Prevent creating an user with existed *email*.	• Return an error with message "`Email has been registered!`"
UT_2_4	User	The server successfully create an user if that user data didn't cause any errors.	• The created user has all required field. • The user data is added to the database.
UT_2_5	User	The server successfully find an user with a given id.	• Return a user if that id existed, and that user has all required fields/attributes.
UT_2_6	User	The server successfully update an user with a given id.	• All changed field is correctly updated. • The user data is updated in the database.
UT_2_7	User	The server successfully delete an user with a given id.	• The user data is delete from the database. • Return a message "`Data is deleted successfully!`"
UT_3_1	Event	Test if the Event collection is empty using GET route.	• Return an empty array.
UT_4_1	Contact	Test if the Contact collection is empty using GET route.	• Return an empty array.