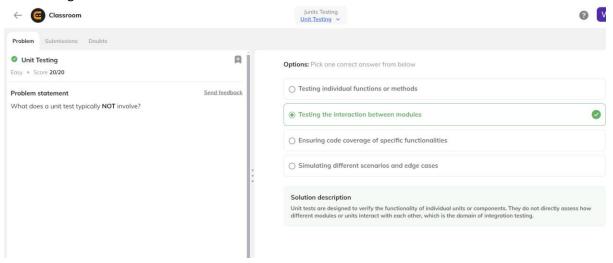
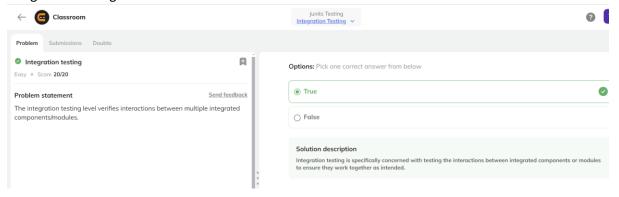
# **Quiz Questions**

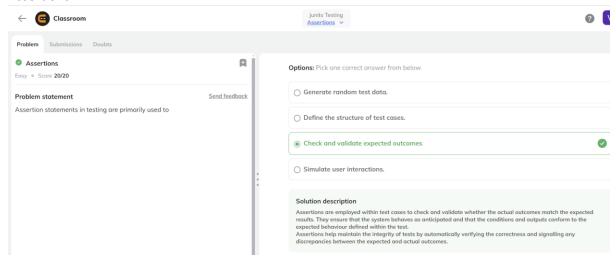
#### (1) Unit Testing



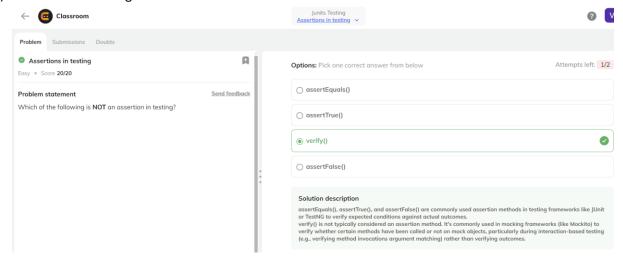
#### (2) Integration testing



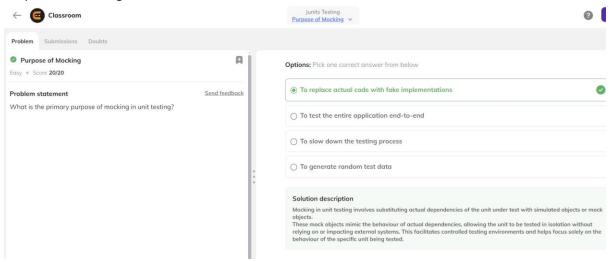
#### (3) Assertions



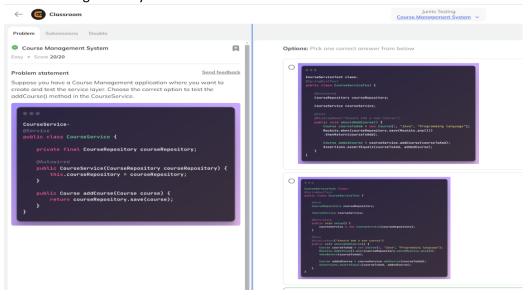
## (4) Assertions in testing

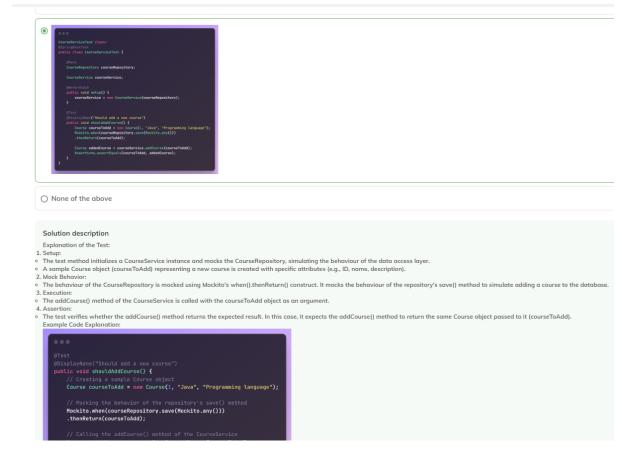


## (5) Purpose of Mocking

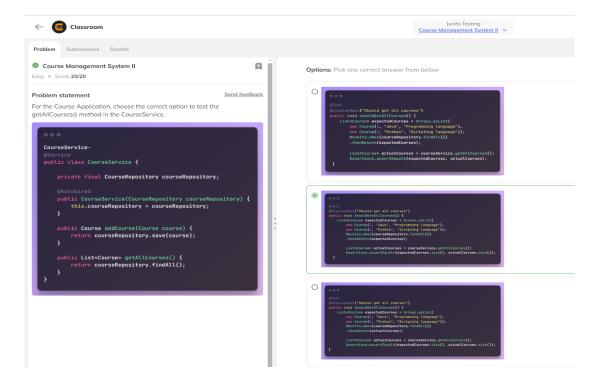


#### (6) Course Management System

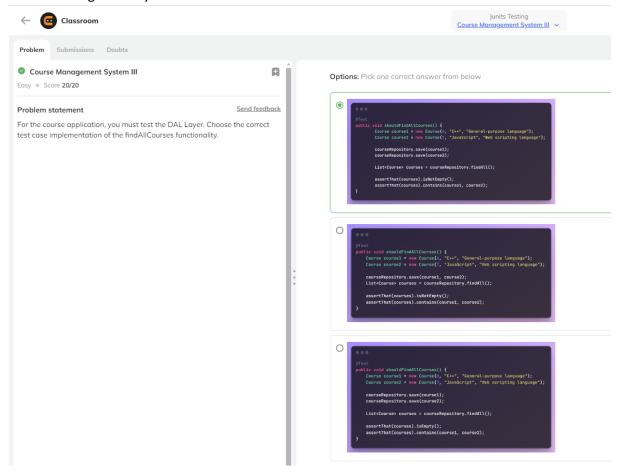




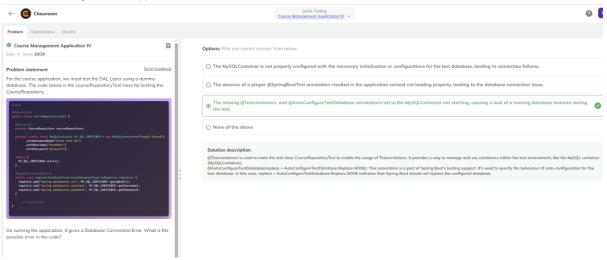
## (7) Course Management System II



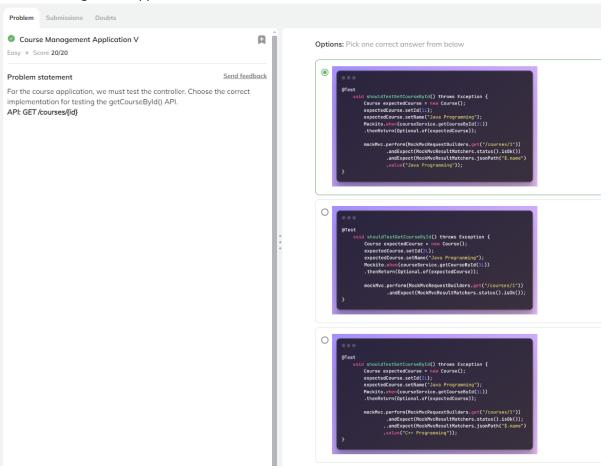
# (8) Course Management System III



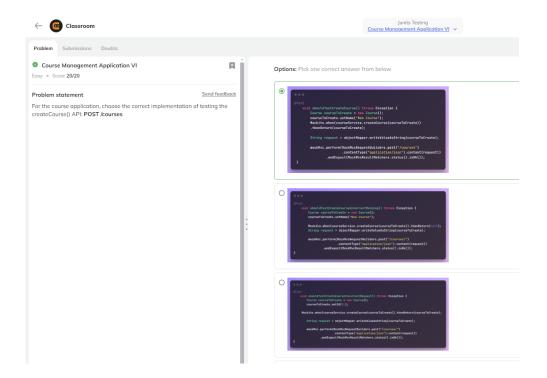
## (9) Course Management Application IV



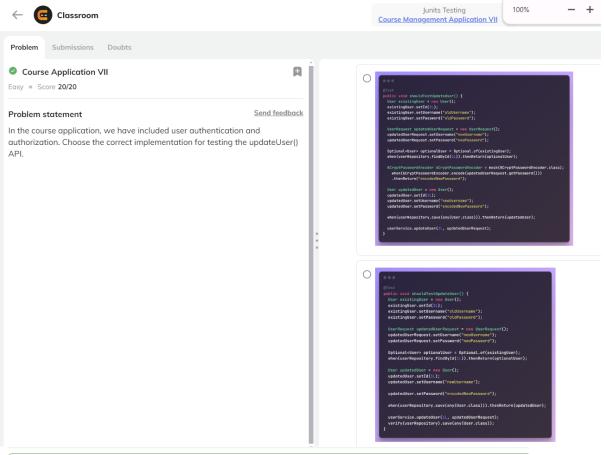
# (10) Course Management Application V



# (11) Course Management Application VI



#### (12) Course Application VII



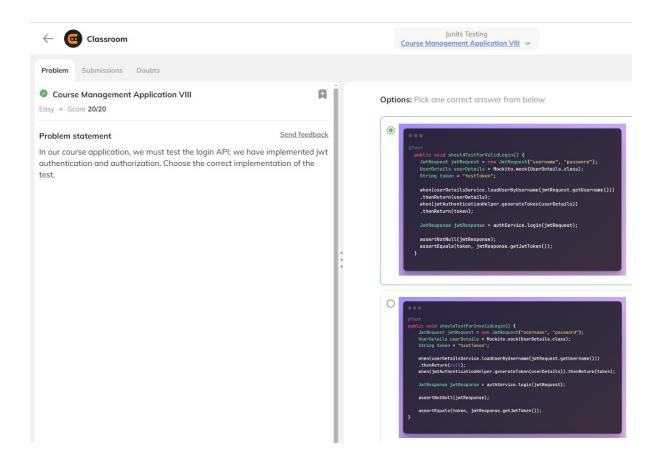
O None of the above

#### Solution description

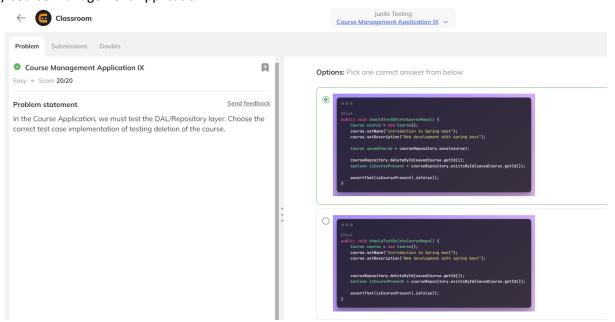
- The test method initializes an existing User object (existingUser) representing a user in the system with some predefined details. It creates a UserRequest object (updatedUserRequest) containing the updated information for the user.

- The userRepository.findById() method is mocked to return an Optional containing the existingUser when searching by the user's ID.
- 3. Updating User Information:
- The updateUser() method of the UserService is invoked, passing the user ID and the updated user details.
- 4. Assertions and Verification:
- · The test validates whether the updateUser() method correctly handles the update process by ensuring the repository's save() method is called with the updated user information.
- o It verifies that the repository's save() method is called with the updated user object.

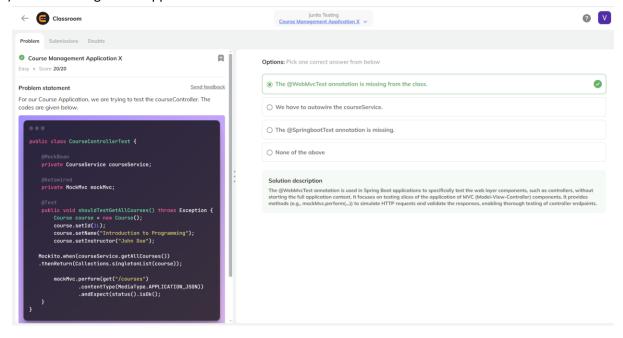
# (13) Course Management Application VIII



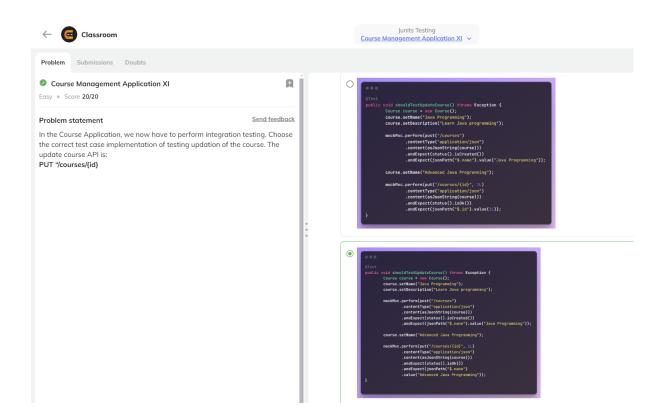
# (14) Course Management Application IX



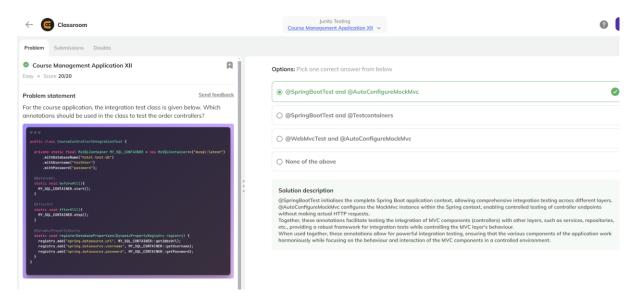
## (15) Course Management Application X



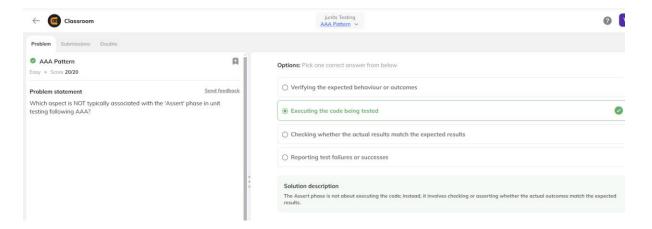
#### (16) Course Management Application XI



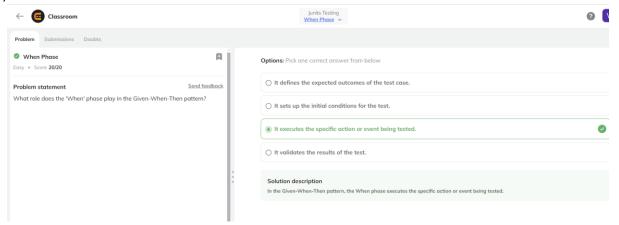
## (17) Course Management Application XII



#### (18) AAA Pattern



#### (19) When Phase



# (20) Timeout in test cases

