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| **Test Case Matrix** | | | | | |
| **Test Case No** | **Test Case Name** | **Input** | **Expected Outcome** | **Actual Outcome** | **Result (Pass/Fail)** |
| 1 | ChatModelTest.test\_chat\_creation | 1)Createuser:username='testuser', email='test@test.test'  2) Create Chat(user=user) | Chat successfully created and linked to the user,  is\_active = True | Chat created with user=testuser,is\_active=True, test passes | Pass |
| 2 | MessageModelTest.test\_message\_creation | 1. Create user 2. Create chat with this user 3. Create Message(chat=..., sender=..., content=...) | Message is stored with correct values: chat, sender, content | Message created with correct chat, sender, and content. Test passed | Pass |
| 3 | UserChatViewTest.test\_user\_chat\_view\_get | 1. Login user 2. GET request to 'support:user\_chat' | GET request to 'support:user\_chat' returns page with status 200, uses template 'support/user\_chat.html', contains “Chat with Support” | Status 200 received, rendered template 'support/user\_chat.html',contains text 'Chat with Support' | Pass |
| 4 | UserChatViewTest.test\_user\_chat\_view\_post | 1. Login user 2. POST request with {'content': 'Test message'} to 'support:user\_chat' | POST request creates a new message with content='Test message' and saves it in the database, then redirects | Status 302 (redirect) received,Message with content='Test message' exists in DB | Pass |
| 5 | FindTransportViewTest.test\_find\_transport | GET request without parameters to 'find\_transport:find\_transport' | Status 200, displays 'E-Bike', 'E-Scooter', 'Bike'; does not contain 'Not Available' | Test passes, verification successful,as filtering is absent, all available vehicles (except unavailable ones) are shown | Pass |
| 6 | FindTransportViewTest.test\_find\_transport | GET request with {"type": "E-Bike"} | Displays only "E-Bike", does not contain "Bike", "E-Scooter" | Test fails because the HTML form contains <option> elements for "Bike" and "E-Scooter" | Fail |
| 7 | FindTransportViewTest.test\_find\_transport | GET request with {"min\_battery": "70"} | Displays "E-Bike" (80%), does not contain "E-Scooter" (50%) | Test fails because "E-Scooter" is still present in the HTML (select) | Fail |
| 8 | FindTransportViewTest.test\_find\_transport | GET request with {"type": "E-Scooter", "min\_battery": "70"} | Since "E-Scooter" has 50%, it should not be displayed | Test fails because "E-Scooter" is still present in the HTML (select) | Fail |
| 9 | FindTransportViewTest.test\_find\_transport | GET request with {"min\_battery": "abc"} | Status 400, JSON: {"error": "Invalid battery percentage"} | Test passes successfully (filter throws an error and returns 400) | Pass |
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