Placemate - Testing Documentation
Group - 9

Unit testing

In our project, we chose Pytest as the primary testing framework instead of Django's built-in unit test for several strong reasons

We wrote unit tests for Django models to verify that database records were created correctly. This ensured that our ORM models, constraints, and relationships worked correctly before integrating them with the rest of the system. We tested API endpoints using Pytest's built-in client fixture from pytest-django, and manually which simulates real HTTP requests.

We defined reusable test data fixtures.

companies_test_report.html

Report generated on 05-Nov-2025 at 18:27:05 by pytest-html v4.1.1

Environment

Python	3.13.5
Platform	macOS-26.0.1-arm64-arm-64bit-Mach-O
Packages	• pytest: 8.4.2 • pluggy: 1.6.0
Plugins	• Faker: 12.0.1 • mock: 3.15.1 • allure-pytest: 2.15.0 • html: 4.1.1 • metadata: 3.1.1 • django: 4.11.1 • cov: 7.0.0
JAVA_HOME	/Library/Java/JavaVirtualMachines/jdk-23.jdk/Contents/Home

Summary

27 tests took 517 ms.

(Un)check the boxes to filter the results.

☑ 0 Failed, ☑ 27 Passed, ☑ 0 Skipped, ☑ 0 Expected failures, ☑ 0 Unexpected passes, ☑ 0 Errors, ☑ 0 Reruns   Show all details / Hide all details

Result ▲	Test	Duration	Links
Passed	apps/companies/tests/test_companies_complete.py::TestCompanyModel::test_company_creation_success	142 ms	
Passed	apps/companies/tests/test_companies_complete.py::TestCompanyModel::test_company_string_representation	1 ms	
Passed	apps/companies/tests/test_companies_complete.py::TestCompanyModel::test_company_verbose_name_plural	1 ms	
Passed	apps/companies/tests/test_companies_complete.py::TestCompanyModel::test_company_ordering	3 ms	
Passed	apps/companies/tests/test_companies_complete.py::TestCompanyModel::test_company_size_choices	1 ms	
Passed	apps/companies/tests/test_companies_complete.py::TestCompanyModel::test_company_size_display_method	1 ms	
Passed	apps/companies/tests/test_companies_complete.py::TestCompanyModel::test_company_with_headquarters_city	2 ms	
Passed	apps/companies/tests/test_companies_complete.py::TestCompanyModel::test_company_unique_constraints	2 ms	
Passed	apps/companies/tests/test_companies_complete.py::TestCompanySerializer::test_serializer_valid_data	56 ms	
Passed	apps/companies/tests/test_companies_complete.py::TestCompanySerializer::test_serializer_required_fields	2 ms	
Passed	apps/companies/tests/test_companies_complete.py::TestCompanySerializer::test_serializer_email_validation	3 ms	
Passed	apps/companies/tests/test_companies_complete.py::TestCompanySerializer::test_serializer_website_url_validation	3 ms	
Passed	apps/companies/tests/test_companies_complete.py::TestCompanySerializer::test_serializer_company_size_display	3 ms	
Passed	apps/companies/tests/test_companies_complete.py::TestCompanySerializer::test_serializer_headquarters_city_name	3 ms	
Passed	apps/companies/tests/test_companies_complete.py::TestCompanySerializer::test_serializer_headquarters_city_name_none	2 ms	

core_test_report.html

Environment

Python	3.13.5
Platform	macOS-26.0.1-arm64-arm-64bit-Mach-O
Packages	• pytest: 8.4.2 • pluggy: 1.6.0
Plugins	• Faker: 12.0.1 • mock: 3.15.1 • allure-pytest: 2.15.0 • html: 4.1.1 • metadata: 3.1.1 • django: 4.11.1 • cov: 7.0.0
JAVA_HOME	/Library/Java/JavaVirtualMachines/jdk-23.jdk/Contents/Home

Summary

104 tests took 711 ms.

(Un)check the boxes to filter the results.

☑ 0 Failed, ☑ 104 Passed, ☑ 0 Skipped, ☑ 0 Expected failures, ☑ 0 Unexpected passes, ☑ 0 Errors, ☑ 0 Reruns   Show all details / Hide all details

Result ▲	Test	Duration	Links
Passed	apps/core/tests/test_core_complete.py::TestExceptionHandler::test_validation_exception	107 ms	
Passed	apps/core/tests/test_core_complete.py::TestExceptionHandler::test_authentication_exception	1 ms	
Passed	apps/core/tests/test_core_complete.py::TestExceptionHandler::test_permission_exception	1 ms	
Passed	apps/core/tests/test_core_complete.py::TestExceptionHandler::test_not_found_exception	1 ms	
Passed	apps/core/tests/test_core_complete.py::TestExceptionHandler::test_drf_validation_error	1 ms	
Passed	apps/core/tests/test_core_complete.py::TestExceptionHandler::test_drf_authentication_failed	1 ms	
Passed	apps/core/tests/test_core_complete.py::TestExceptionHandler::test_drf_not_authenticated	1 ms	
Passed	apps/core/tests/test_core_complete.py::TestExceptionHandler::test_drf_permission_denied	1 ms	
Passed	apps/core/tests/test_core_complete.py::TestExceptionHandler::test_django_http404	1 ms	
Passed	apps/core/tests/test_core_complete.py::TestExceptionHandler::test_integrity_error	1 ms	
Passed	apps/core/tests/test_core_complete.py::TestExceptionHandler::test_drf_throttled	1 ms	
Passed	apps/core/tests/test_core_complete.py::TestExceptionHandler::test_generic_exception_debug_mode	2 ms	
Passed	apps/core/tests/test_core_complete.py::TestExceptionHandler::test_generic_exception_production_mode	2 ms	
Passed	apps/core/tests/test_core_complete.py::TestExceptionHandler::test_exception_handler_with_none_context	1 ms	
Passed	apps/core/tests/test_core_complete.py::TestCountryModel::test_create_country	2 ms	
Passed	apps/core/tests/test_core_complete.py::TestCountryModel::test_country_ordering	2 ms	
Passed	apps/core/tests/test_core_complete.py::TestCountryModel::test_country_unique_name	1 ms	
Passed	apps/core/tests/test_core_complete.py::TestCountryModel::test_country_max_length	1 ms	
Passed	apps/core/tests/test_core_complete.py::TestCountryModel::test_country_empty_name	1 ms	
Passed	apps/core/tests/test_core_complete.py::TestStateModel::test_create_state	2 ms	
Passed	apps/core/tests/test_core_complete.py::TestStateModel::test_state_ordering	3 ms	
Passed	apps/core/tests/test_core_complete.py::TestStateModel::test_state_country_relationship	2 ms	
Passed	apps/core/tests/test_core_complete.py::TestStateModel::test_state_without_country	1 ms	
Passed	apps/core/tests/test_core_complete.py::TestCityModel::test_create_city	2 ms	
Passed	apps/core/tests/test_core_complete.py::TestCityModel::test_city_ordering	2 ms	
Passed	apps/core/tests/test_core_complete.py::TestCityModel::test_city_state_relationship	2 ms	
Passed	apps/core/tests/test_core_complete.py::TestDegreeModel::test_create_degree	3 ms	
Passed	apps/core/tests/test_core_complete.py::TestDegreeModel::test_degree_ordering	2 ms	
Passed	apps/core/tests/test_core_complete.py::TestDegreeModel::test_degree_name_unique_constraint	8 ms	
Passed	apps/core/tests/test_core_complete.py::TestDegreeModel::test_degree_abbreviation_unique_constraint	5 ms	
Passed	apps/core/tests/test_core_complete.py::TestDegreeModel::test_degree_str_representation	2 ms	
Passed	apps/core/tests/test_core_complete.py::TestProgramModel::test_create_program	2 ms	
Passed	apps/core/tests/test_core_complete.py::TestProgramModel::test_program_full_abbreviation	2 ms	
Passed	apps/core/tests/test_core_complete.py::TestProgramModel::test_program_ordering	22 ms	
Passed	apps/core/tests/test_core_complete.py::TestProgramModel::test_program_degree_level_choices	3 ms	
Passed	apps/core/tests/test_core_complete.py::TestProgramModel::test_program_active_filter	3 ms	
Passed	apps/core/tests/test_core_complete.py::TestProgramModel::test_program_invalid_degree_level	5 ms	
Passed	apps/core/tests/test_core_complete.py::TestProgramModel::test_program_negative_duration	5 ms	

Passed	apps/core/tests/test_core_complete.py::TestStandardPagination::test_page_size_query_param	1 ms	
Passed	apps/core/tests/test_core_complete.py::TestStandardPagination::test_max_page_size	1 ms	
Passed	apps/core/tests/test_core_complete.py::TestStandardPagination::test_get_paginated_response_structure	4 ms	
Passed	apps/core/tests/test_core_complete.py::TestStandardPagination::test_pagination_with_custom_page_size	4 ms	
Passed	apps/core/tests/test_core_complete.py::TestStandardPagination::test_pagination_respects_max_page_size	14 ms	
Passed	apps/core/tests/test_core_complete.py::TestStandardPagination::test_pagination_invalid_parameters	14 ms	
Passed	apps/core/tests/test_core_complete.py::TestRolePermissions::test_get_active_role_from_payload	1 ms	
Passed	apps/core/tests/test_core_complete.py::TestRolePermissions::test_get_active_role_from_dict	1 ms	
Passed	apps/core/tests/test_core_complete.py::TestRolePermissions::test_get_active_role_no_auth	1 ms	
Passed	apps/core/tests/test_core_complete.py::TestRolePermissions::test_base_role_permission_no_user	1 ms	
Passed	apps/core/tests/test_core_complete.py::TestRolePermissions::test_base_role_permission_no_active_role	1 ms	
Passed	apps/core/tests/test_core_complete.py::TestRolePermissions::test_base_role_permission_role_mismatch	1 ms	
Passed	apps/core/tests/test_core_complete.py::TestRolePermissions::test_base_role_permission_success	1 ms	
Passed	apps/core/tests/test_core_complete.py::TestRolePermissions::test_is_admin_role	1 ms	
Passed	apps/core/tests/test_core_complete.py::TestRolePermissions::test_is_placement_team	1 ms	
Passed	apps/core/tests/test_core_complete.py::TestRolePermissions::test_is_student_role	1 ms	
Passed	apps/core/tests/test_core_complete.py::TestOwnerOrReadOnlyPermission::test_safe_methods_allowed	1 ms	
Passed	apps/core/tests/test_core_complete.py::TestOwnerOrReadOnlyPermission::test_admin_override	1 ms	
Passed	apps/core/tests/test_core_complete.py::TestOwnerOrReadOnlyPermission::test_owner_permission	1 ms	
Passed	apps/core/tests/test_core_complete.py::TestOwnerOrReadOnlyPermission::test_non_owner_denied	1 ms	
Passed	apps/core/tests/test_core_complete.py::TestSuccessResponses::test_success_response	1 ms	
Passed	apps/core/tests/test_core_complete.py::TestSuccessResponses::test_created_response	1 ms	

students_test_report.html

Environment

Python	3.13.5
Platform	macOS-26.0.1-arm64-arm-64bit-Mach-O
Packages	- pytest: 8.4.2 - pluggy: 1.6.0
Plugins	- Faker: 12.0.1 - mock: 3.15.1 - allure-pytest: 2.15.0 - html: 4.1.1 - metadata: 3.1.1 - django: 4.11.1 - cov: 7.0.0
JAVA_HOME	/Library/Java/JavaVirtualMachines/jdk-23.jdk/Contents/Home

Summary

49 tests took 645 ms.

(Un)check the boxes to filter the results.

☑ 0 Failed, ☑ 49 Passed, ☑ 0 Skipped, ☑ 0 Expected failures, ☑ 0 Unexpected passes, ☑ 0 Errors, ☑ 0 Reruns   <u>Show all details</u> / <u>Hide all details</u>

Result ▲	Test	Duration	Links
Passed	apps/students/tests/test_students_complete.py::TestStudentProfileModel::test_create_student_profile	113 ms	
Passed	apps/students/tests/test_students_complete.py::TestStudentProfileModel::test_student_profile_string_representation	2 ms	
Passed	apps/students/tests/test_students_complete.py::TestStudentProfileModel::test_enrollment_number_unique_constraint	13 ms	
Passed	apps/students/tests/test_students_complete.py::TestStudentProfileModel::test_student_profile_optional_fields	2 ms	
Passed	apps/students/tests/test_students_complete.py::TestStudentProfileModel::test_student_profile_default_values	3 ms	
Passed	apps/students/tests/test_students_complete.py::TestStudentProfileModel::test_student_profile_gender_choices	3 ms	
Passed	apps/students/tests/test_students_complete.py::TestStudentProfileModel::test_student_profile_cgpa_validation	3 ms	
Passed	apps/students/tests/test_students_complete.py::TestStudentProfileModel::test_student_profile_user_one_to_one_relationship	2 ms	
Passed	apps/students/tests/test_students_complete.py::TestStudentRegistrationSerializer::test_serializer_valid_data	29 ms	
Passed	apps/students/tests/test_students_complete.py::TestStudentRegistrationSerializer::test_serializer_missing_required_fields	2 ms	
Passed	apps/students/tests/test_students_complete.py::TestStudentRegistrationSerializer::test_validate_enrollment_number_unique	4 ms	
Passed	apps/students/tests/test_students_complete.py::TestStudentRegistrationSerializer::test_validate_email_unique	3 ms	
Passed	apps/students/tests/test_students_complete.py::TestStudentRegistrationSerializer::test_create_student_success	4 ms	
Passed	apps/students/tests/test_students_complete.py::TestStudentRegistrationSerializer::test_to_representation	5 ms	
Passed	apps/students/tests/test_students_complete.py::TestStudentProfileSerializer::test_serializer_fields	3 ms	
Passed	apps/students/tests/test_students_complete.py::TestStudentProfileSerializer::test_get_user_method	3 ms	
Passed	apps/students/tests/test_students_complete.py::TestStudentProfileSerializer::test_serializer_update	4 ms	
Passed	apps/students/tests/test_students_complete.py::TestStudentDetailSerializer::test_serializer_includes_program_details	4 ms	
Passed	apps/students/tests/test_students_complete.py::TestStudentDetailSerializer::test_get_program_details	3 ms	
Passed	apps/students/tests/test_students_complete.py::TestStudentPlacementSerializer::test_serializer_fields	1 ms	
Passed	apps/students/tests/test_students_complete.py::TestStudentPlacementSerializer::test_update_placement_status	4 ms	
Passed	apps/students/tests/test_students_complete.py::TestStudentRegistrationView::test_view_permissions	1 ms	
Passed	apps/students/tests/test_students_complete.py::TestStudentRegistrationView::test_create_success	82 ms	
Passed	apps/students/tests/test_students_complete.py::TestStudentRegistrationView::test_create_validation_error	18 ms	
Passed	apps/students/tests/test_students_complete.py::TestStudentProfileView::test_view_permissions	1 ms	
Passed	apps/students/tests/test_students_complete.py::TestStudentProfileView::test_http_methods_allowed	1 ms	
Passed	apps/students/tests/test_students_complete.py::TestStudentProfileView::test_get_object_existing_profile	4 ms	
Passed	apps/students/tests/test_students_complete.py::TestStudentProfileView::test_get_object_no_profile	3 ms	
Passed	apps/students/tests/test_students_complete.py::TestStudentProfileView::test_retrieve_success	19 ms	
Passed	apps/students/tests/test_students_complete.py::TestStudentProfileView::test_retrieve_profile_not_found	18 ms	
Passed	apps/students/tests/test_students_complete.py::TestStudentProfileView::test_update_success	19 ms	
Passed	apps/students/tests/test_students_complete.py::TestStudentViewSet::test_get_permissions_list_retrieve	1 ms	
Passed	apps/students/tests/test_students_complete.py::TestStudentViewSet::test_get_permissions_update	1 ms	
Passed	apps/students/tests/test_students_complete.py::TestStudentViewSet::test_get_serializer_class	1 ms	
Passed	apps/students/tests/test_students_complete.py::TestStudentViewSet::test_get_queryset_ordering	3 ms	
Passed	apps/students/tests/test_students_complete.py::TestStudentViewSet::test_get_queryset_filtering	3 ms	
Passed	apps/students/tests/test_students_complete.py::TestStudentViewSet::test_list_success	18 ms	

users_test_report.html

Report generated on 05-Nov-2025 at 18:19:46 by pytest-html v4.1.1

Environment

Python	3.13.5
Platform	macOS-26.0.1-arm64-arm-64bit-Mach-O
Packages	• pytest: 8.4.2 • pluggy: 1.6.0
Plugins	• Faker: 12.0.1 • mock: 3.15.1 • allure-pytest: 2.15.0 • html: 4.1.1 • metadata: 3.1.1 • django: 4.11.1 • cov: 7.0.0
JAVA_HOME	/Library/Java/JavaVirtualMachines/jdk-23.jdk/Contents/Home

Summary

49 tests took 622 ms.

(Un)check the boxes to filter the results.

☑ 0 Failed, ☑ 49 Passed, ☑ 0 Skipped, ☑ 0 Expected failures, ☑ 0 Unexpected passes, ☑ 0 Errors, ☑ 0 Reruns   Show all details / Hide all details

Result ▲	Test	Duration	Links
Passed	apps/users/tests/test_users_complete.py::TestUserModel::test_create_user_success	127 ms	
Passed	apps/users/tests/test_users_complete.py::TestUserModel::test_create_user_missing_email	2 ms	
Passed	apps/users/tests/test_users_complete.py::TestUserModel::test_create_user_missing_phone	1 ms	
Passed	apps/users/tests/test_users_complete.py::TestUserModel::test_create_superuser	2 ms	
Passed	apps/users/tests/test_users_complete.py::TestUserModel::test_email_normalization	1 ms	
Passed	apps/users/tests/test_users_complete.py::TestUserModel::test_user_string_representation	2 ms	
Passed	apps/users/tests/test_users_complete.py::TestUserModel::test_get_full_name	1 ms	
Passed	apps/users/tests/test_users_complete.py::TestUserModel::test_get_full_name_no_middle_name	1 ms	
Passed	apps/users/tests/test_users_complete.py::TestRoleModel::test_role_creation	4 ms	
Passed	apps/users/tests/test_users_complete.py::TestRoleModel::test_role_string_representation	1 ms	
Passed	apps/users/tests/test_users_complete.py::TestRoleModel::test_role_unique_name	1 ms	
Passed	apps/users/tests/test_users_complete.py::TestUserManager::test_make_random_password_default_length	1 ms	
Passed	apps/users/tests/test_users_complete.py::TestUserManager::test_make_random_password_custom_length	1 ms	
Passed	apps/users/tests/test_users_complete.py::TestUserManager::test_make_random_password_no_symbols	1 ms	
Passed	apps/users/tests/test_users_complete.py::TestUserRegistrationSerializer::test_valid_registration_data	31 ms	
Passed	apps/users/tests/test_users_complete.py::TestUserRegistrationSerializer::test_email_validation	4 ms	

Passed	apps/users/tests/test_users_complete.py::TestUserRegistrationSerializer::test_email_validation	4 ms	
Passed	apps/users/tests/test_users_complete.py::TestUserRegistrationSerializer::test_phone_validation	6 ms	
Passed	apps/users/tests/test_users_complete.py::TestUserRegistrationSerializer::test_name_validation	4 ms	
Passed	apps/users/tests/test_users_complete.py::TestUserRegistrationSerializer::test_role_validation	4 ms	
Passed	apps/users/tests/test_users_complete.py::TestUserRegistrationSerializer::test_user_creation	6 ms	
Passed	apps/users/tests/test_users_complete.py::TestLoginUserSerializer::test_valid_login	4 ms	
Passed	apps/users/tests/test_users_complete.py::TestLoginUserSerializer::test_invalid_credentials	2 ms	
Passed	apps/users/tests/test_users_complete.py::TestLoginUserSerializer::test_inactive_user	3 ms	
Passed	apps/users/tests/test_users_complete.py::TestUserSerializer::test_user_serialization	4 ms	
Passed	apps/users/tests/test_users_complete.py::TestUserSerializer::test_user_update	3 ms	
Passed	apps/users/tests/test_users_complete.py::TestSelectRoleSerializer::test_valid_role_selection	4 ms	
Passed	apps/users/tests/test_users_complete.py::TestSelectRoleSerializer::test_invalid_role	3 ms	
Passed	apps/users/tests/test_users_complete.py::TestSelectRoleSerializer::test_nonexistent_user	2 ms	
Passed	apps/users/tests/test_users_complete.py::TestCookieJWTAuthentication::test_no_access_token	2 ms	
Passed	apps/users/tests/test_users_complete.py::TestCookieJWTAuthentication::test_invalid_access_token	2 ms	
Passed	apps/users/tests/test_users_complete.py::TestCookieJWTAuthentication::test_valid_authentication	3 ms	
Passed	apps/users/tests/test_users_complete.py::TestAuthenticationIntegration::test_successful_login	97 ms	
Passed	apps/users/tests/test_users_complete.py::TestAuthenticationIntegration::test_failed_login_invalid_credentials	21 ms	
Passed	apps/users/tests/test_users_complete.py::TestAuthenticationIntegration::test_token_refresh	23 ms	
Passed	apps/users/tests/test_users_complete.py::TestAuthenticationIntegration::test_logout	22 ms	
Passed	apps/users/tests/test_users_complete.py::TestAuthenticationIntegration::test_role_selection_multi_role_user	21 ms	
Passed	apps/users/tests/test_users_complete.py::TestCookieJWTAuthentication::test_no_access_token	2 ms	
Passed	apps/users/tests/test_users_complete.py::TestCookieJWTAuthentication::test_invalid_access_token	2 ms	
Passed	apps/users/tests/test_users_complete.py::TestCookieJWTAuthentication::test_valid_authentication	3 ms	
Passed	apps/users/tests/test_users_complete.py::TestAuthenticationIntegration::test_successful_login	97 ms	
Passed	apps/users/tests/test_users_complete.py::TestAuthenticationIntegration::test_failed_login_invalid_credentials	21 ms	
Passed	apps/users/tests/test_users_complete.py::TestAuthenticationIntegration::test_token_refresh	23 ms	
Passed	apps/users/tests/test_users_complete.py::TestAuthenticationIntegration::test_logout	22 ms	
Passed	apps/users/tests/test_users_complete.py::TestAuthenticationIntegration::test_role_selection_multi_role_user	21 ms	
Passed	apps/users/tests/test_users_complete.py::TestUserRegistrationIntegration::test_admin_user_registration	26 ms	
Passed	apps/users/tests/test_users_complete.py::TestUserRegistrationIntegration::test_user_registration_non_admin	27 ms	
Passed	apps/users/tests/test_users_complete.py::TestUserProfileIntegration::test_get_current_user_profile	22 ms	
Passed	apps/users/tests/test_users_complete.py::TestUserProfileIntegration::test_update_user_profile	22 ms	
Passed	apps/users/tests/test_users_complete.py::TestUserProfileIntegration::test_unauthenticated_access	16 ms	
Passed	apps/users/tests/test_users_complete.py::TestAdminUserManagementIntegration::test_list_users_admin	29 ms	
Passed	apps/users/tests/test_users_complete.py::TestAdminUserManagementIntegration::test_get_user_detail_admin	23 ms	
Passed	apps/users/tests/test_users_complete.py::TestAdminUserManagementIntegration::test_update_user_roles_admin	27 ms	
Passed	apps/users/tests/test_users_complete.py::TestPasswordGenerationLogic::test_password_complexity_requirements	1 ms	
Passed	apps/users/tests/test_users_complete.py::TestPasswordGenerationLogic::test_password_excludes_similar_characters	1 ms	
Passed	apps/users/tests/test_users_complete.py::TestEmailNormalizationLogic::test_email_normalization_in_serializer	3 ms	
Passed	apps/users/tests/test_users_complete.py::TestEmailNormalizationLogic::test_case_insensitive_email_lookup	2 ms	
Passed	apps/users/tests/test_users_complete.py::TestRoleAssignmentLogic::test_cannot_modify_own_roles	3 ms	

Integration testing

Authentication

[POST] {{base_url}}/ /token/

Endpoint name: POST Login

Request Body Example:

```
{
   "email": "202412117@dau.ac.in",
   "password": "4vE@VfK$9iXP"
}
```

Test Case ID	Description	Request Body / Params	Expected Status	Expected Response & Validation
TC0001. 01	Happy path - valid request	{ "email": "202412117@dau.ac.in", "password": "4vE@VfK$9iXP" }	201 Created	Validated.
TC0002.01	Missing required field 'email'	Omit field 'email' from body	422 Unprocessable Entity / 400 Bad Request	Error message referencing 'email' required.
TC0003.01	Missing required field 'password'	Omit field 'password' from body	422 Unprocessable Entity / 400 Bad Request	Error message referencing 'password' required.
TC0006.01	No authentication / missing token	(none)	401 Unauthorized or 403 Forbidden	Rejected unauthenticated request.
TC0007.01	Role-based access violation	Use role without permission (e.g., Student hitting Admin endpoint)	403 Forbidden	RBAC blocks access.
TC0008.01	Non-existent ID (404)	Use id=9999	404 Not Found	Returned Nothing

| TC0009.01 | Injection attempts (SQLi/XSS) in string fields | Use "' OR '1'='1'" or "\<script\>alert(1)\</script\>" | 400 / 422 / 200 (sanitized) | Inputs are validated; no execution or data leak. |

[POST] {{base_url}}/token/refresh/

Endpoint name: POST Refresh Token

Test Case ID	Description	Request Body / Params	Expected Status	Expected Response & Validation
TC0010.01	Happy path - valid request	(none)	201 Created	Validated
TC0011.01	No authentication / missing token	(none)	401 Unauthorized or 403 Forbidden	Rejected unauthenticated request.
TC0012.01	Role-based access violation	Use role without permission (e.g., Student hitting Admin endpoint)	403 Forbidden	RBAC blocks access.
TC0013.01	Non-existent ID (404)	Use id=99999	404 Not Found	Returned Nothing
TC0014.01	Injection attempts (SQLi/XSS) in string fields	Use "' OR '1'='1'" or "\<script\>alert(1)\</script\>"	400 / 422 / 200 (sanitized)	Inputs are validated; no execution or data leak.

[POST] {{base_url}}/logout/

Endpoint name: POST Logout

Test Case ID	Description	Request Body / Params	Expected Status	Expected Response & Validation
TC0015.01	Happy path - valid request	(none)	201 Created	Validated
TC0016.01	No authentication / missing token	(none)	401 Unauthorized or 403 Forbidden	Rejected unauthenticated request.
TC0017.01	Role-based access violation	Use role without permission (e.g., Student hitting Admin endpoint)	403 Forbidden	RBAC blocks access.
TC0018.01	Non-existent ID (404)	Use id=99999999	404 Not Found	Returned 404 without leaking internal info.
TC0019.01	Injection attempts (SQLi/XSS) in string fields	Use "' OR '1'='1" or "<script>alert(1)</script>"	400 / 422 / 200 (sanitized)	Inputs are validated, no execution or data leak.

[POST] {{base_url}}/users/auth/select-role/

Endpoint name: POST Select Role (Multi-Role Users)

Request Body Example:

```
{
    "user_id": 29,
    "role": "Student"
}
```

Test Case ID	Description	Request Body / Params	Expected Status	Expected Response & Validation

TC0020.01	Happy path - valid request	`{`
		`    "user_id":         29,`
		`    "role":         "Student"`
		`}`
			201 Created	Validate

TC0021.01	Missing required field 'user_id'	Omit field 'user_id' from body	422 Unprocessable Entity / 400 Bad Request	Error message referencing 'user_id' required.
TC0022.01	Missing required field 'role'	Omit field 'role' from body	422 Unprocessable Entity / 400 Bad Request	Error message referencing 'role' required.
TC0025.01	No authentication / missing token	(none)	401 Unauthorized or 403 Forbidden	Rejected unauthenticated request.
TC0026.01	Role-based access violation	Use role without permission (e.g., Student hitting Admin endpoint)	403 Forbidden	RBAC blocks access.
TC0027.01	Non-existent ID (404)	Use id=99999999	404 Not Found	Returned 404 without leaking internal info.
TC0028.01	Injection attempts (SQLi/XSS) in string fields	Use "' OR '1'='1" or "\<script>alert(1)\</script>"	400 / 422 / 200 (sanitized)	Inputs are validated, no execution or data leak.

Students

Endpoint name: POST: Register Student **(Admin Only)**

Request Body Example:

```
{
    "email": "202412117@dau.ac.in",
    "phone_number": "1829473212",
    "first_name": "Kishan",
    "last_name": "Thanki",
    "enrollment_number": "202412117",
    "program": 8
}
```

Test Case ID	Description	Request Body / Params	Expected Status	Expected Response & Validation
TC0029.01	Happy path - valid request	``` { "email": "202412117@dau.ac.in", "phone_number": "1829473212", "first_name": "Kishan", "last_name": "Thanki", "enrollment_number": "202412117", "program": 8 } ```	201 Created	Validated
TC0030.01	Missing required field 'email'	Omit field 'email' from body	422 Unprocessable Entity / 400 Bad Request	Error message referencing 'email' required.
TC0031.01	Missing required field 'phone_number'	Omit field 'phone_number' from body	422 Unprocessable Entity / 400 Bad Request	Error message referencing 'phone_number' required.
TC0032.01	Missing required field 'first_name'	Omit field 'first_name' from body	422 Unprocessable Entity / 400 Bad Request	Error message referencing 'first_name' required.
TC0033.01	Missing required field 'last_name'	Omit field 'last_name' from body	422 Unprocessable Entity / 400	Error message referencing 'last_name'

			Bad Request	required.
TC0034.01	Missing required field 'enrollment_numb er'	Omit field 'enrollment_number' from body	422 Unprocessabl e Entity / 400 Bad Request	Error message referencing 'enrollment_numbe r' required.
TC0035.01	Missing required field 'program'	Omit field 'program' from body	422 Unprocessabl e Entity / 400 Bad Request	Error message referencing 'program' required.
TC0036.01	Invalid type for 'email'	Set email = 12345	422 / 400	Validation error for type of 'email'.
TC0037.01	Invalid type for 'phone_number'	Set phone_number = 12345	422 / 400	error for type of 'phone_number'.
TC0038.01	Invalid type for 'first_name'	Set first_name = 12345	422 / 400	error for type of 'first_name'.
TC0039.01	Invalid type for 'last_name'	Set last_name = 12345	422 / 400	error for type of 'last_name'.
TC0040.01	Invalid type for 'enrollment_numb er'	Set enrollment_number = 12345	422 / 400	error for type of 'enrollment_numbe r'.
TC0041.01	Invalid type for 'program'	Set program = "invalid"	422 / 400	error for type of 'program'.
TC0042.01	No authentication / missing token	(none)	401 Unauthorize d or 403 Forbidden	Rejected unauthenticated requests.
TC0043.01	Role-based access violation	Use role without permission (e.g., Student hitting Admin endpoint)	403 Forbidden	RBAC blocks access.
TC0044.01	Non-existent ID (404)	Use id=99999999	404 Not Found	Returned 404 without leaking internal info.
TC0045.01	Injection attempts (SQLi/XSS) in string fields	Use "' OR '1'='1" or "<script>alert(1)</script >"	400 / 422 / 200 (sanitized)	Inputs are validated; no execution or data leak.

[GET] {{base_url}}/students/me/

Endpoint name: GET My Profile (Student)

Test Case ID	Description	Request Body / Params	Expected Status	Expected Response & Validation
TC0046.01	Happy path - valid request	(none)	200 OK	Validated
TC0047.01	No authentication / missing token	(none)	401 Unauthorized or 403 Forbidden	Rejected unauthenticated requests.
TC0048.01	Role-based access violation	Use role without permission (e.g., Student hitting Admin endpoint)	403 Forbidden	RBAC blocks access.
TC0049.01	Non-existent ID (404)	Use id=99999999	404 Not Found	Returned 404 without leaking internal info.
TC0050.01	Injection attempts (SQLi/XSS) in string fields	Use "' OR '1'='1" or "<script>alert(1)</script>"	400 / 422 / 200 (sanitized)	Inputs are validated/escaped; no execution or data leak.

[PATCH] {{base_url}}/students/me/

Endpoint name: PATCH Update Profile (Student)

Request Body Example:

```
{
   "current_cgpa": "8.5",
   "tenth_percentage": "85.5",
   "address_line1": "123 College Street"
}
```

Test Case ID	Description	Request Body / Params	Expected Status	Expected Response & Validation
TC0051.01	Happy path - valid request	{ "current_cgpa": "8.5", "tenth_percentage": "85.5", "address_line1": "123 College Street" }	200 OK	Validated
TC0052.01	Missing required field 'current_cgpa'	Omit field 'current_cgpa' from body	422 Unprocessable Entity / 400 Bad Request	Error message referencing 'current_cgpa' required.
TC0053.01	Missing required field 'tenth_percentage'	Omit field 'tenth_percentage' from body	422 Unprocessable Entity / 400 Bad Request	Error message referencing 'tenth_percentage' required.
TC0054.01	Missing required field 'address_line1'	Omit field 'address_line1' from body	422 Unprocessable Entity / 400 Bad Request	Error message referencing 'address_line1' required.
TC0055.01	Invalid type for 'current_cgpa'	Set current_cgpa = 12345	422 / 400	error for type of 'current_cgpa'.
TC0056.01	Invalid type for 'tenth_percentage'	Set tenth_percentage = 12345	422 / 400	error for type of 'tenth_percentage'.
TC0057.01	Invalid type for 'address_line1'	Set address_line1 = 12345	422 / 400	error for type of 'address_line1'.
TC0058.01	No authentication / missing token	(none)	401 Unauthorized	Reject unauthenticated

			or 403 Forbidden	requests.
TC0059.01	Role-based access violation	Use role without permission (e.g., Student hitting Admin endpoint)	403 Forbidden	RBAC blocks access.
TC0060.01	Non-existent ID (404)	Use id=99999999	404 Not Found	Returned 404 without leaking internal info.
TC0061.01	Injection attempts (SQLi/XSS) in string fields	Use "' OR '1'='1" or "<script>alert(1)</script>"	400 / 422 / 200 (sanitized)	Inputs are validated; no execution or data leak.

[GET] {{base_url}}/students/profiles/

Endpoint name: GET List Students **(Admin/Placement)**

Test Case ID	Description	Request Body / Params	Expected Status	Expected Response & Validation
TC0062.01	Happy path - valid request	(none)	200 OK	Validated
TC0063.01	No authentication / missing token	(none)	401 Unauthorized or 403 Forbidden	Rejected unauthenticated requests.
TC0064.01	Role-based access violation	Use role without permission (e.g., Student hitting Admin endpoint)	403 Forbidden	RBAC blocks access.
TC0065.01	Non-existent ID (404)	Use id=99999999	404 Not Found	Returned 404 without leaking internal info.
TC0066.01	Injection attempts (SQLi/XSS) in string fields	Use "' OR '1'='1" or "\<script\>alert(1)\</script\>"	400 / 422 / 200 (sanitized)	Inputs are validated; no execution or data leak.

[GET] {{base_url}}/students/profiles/27/

Endpoint name: GET Student Details (Admin/Placement)

Test Case ID	Description	Endpoint	Method	Request Body / Params	Expected Status	Expected Response & Validation
TC0067.01	Happy path - valid request	{{base_url}}/students/ profiles/27/	GET	(none)	200 OK	Validated
TC0068.01	No authentication / missing token	{{base_url}}/students/ profiles/27/	GET	(none)	401 Unauthorized or 403 Forbidden	Rejected unauthenticated requests.
TC0069.01	Role-based access violation	{{base_url}}/students/ profiles/27/	GET	Use role without permission (e.g., Student hitting Admin endpoint)	403 Forbidden	RBAC blocks access.
TC0070.01	Non-existent ID (404)	{{base_url}}/students/ profiles/27/	GET	Use id=99999999	404 Not Found	Returned 404 without leaking internal info.
TC0071.01	Injection attempts (SQLi/XSS) in string fields	{{base_url}}/students/ profiles/27/	GET	Use "' OR '1'='1" or "<script>alert(1)</script>"	400 / 422 / 200 (sanitized)	Inputs are validated; no execution or data leak.

[PATCH] {{base_url}}/students/profiles/27/

Endpoint name: PATCH Update Student (Admin)

Request Body Example:

```
{
    "current_cgpa": "9.0",
    "enrollment_number": "UPDATED123"
}
```

Test Case ID	Description	Endpoint	Method	Request Body / Params	Expected Status	Expected Response & Validation
TC0072.01	Happy path - valid request	{{base_url}}/students/profiles/27/	PATCH	{ "current_cgpa": "9.0", "enrollment_number": "UPDATED123" }	200 OK	Validated
TC0073.01	Missing required field 'current_cgpa'	{{base_url}}/students/profiles/27/	PATCH	Omit field 'current_cgpa' from body	422 Unprocessable Entity / 400 Bad Request	Error message referencing 'current_cgpa' required.
TC0074.01	Missing required field 'enrollment_number'	{{base_url}}/students/profiles/27/	PATCH	Omit field 'enrollment_number' from body	422 Unprocessable Entity / 400 Bad Request	Error message referencing 'enrollment_number' required.
TC0075.01	Invalid type for 'current_cgpa'	{{base_url}}/students/profiles/27/	PATCH	Set current_cgpa = 12345	422 / 400	error for type of 'current_cgpa'.
TC0076.01	Invalid type for 'enrollment_number'	{{base_url}}/students/profiles/27/	PATCH	Set enrollment_number = 12345	422 / 400	error for type of 'enrollment_number'.

TC0077.01	No authentication / missing token	{{base_url}}/students/profiles/27/	PATCH	(none)	401 Unauthorized or 403 Forbidden	Reject unauthenticated requests.
TC0078.01	Role-based access violation	{{base_url}}/students/profiles/27/	PATCH	Use role without permission (e.g., Student hitting Admin endpoint)	403 Forbidden	RBAC blocks access.
TC0079.01	Non-existent ID (404)	{{base_url}}/students/profiles/27/	PATCH	Use id=99999999	404 Not Found	Returned 404 without leaking internal info.
TC0080.01	Injection attempts (SQLi/XSS) in string fields	{{base_url}}/students/profiles/27/	PATCH	Use "' OR '1'='1" or "<script>alert(1)</script>"	400 / 422 / 200 (sanitized)	Inputs are validated/escaped; no execution or data leak.

[PATCH] {{base_url}}/students/profiles/27/mark_as_placed/

Endpoint name: PATCH Mark as Placed (Admin)

Test Case ID	Description	Endpoint	Method	Request Body / Params	Expected Status	Expected Response & Validation
TC0081.01	Happy path - valid request	{{base_url}}/students/profiles/27/mark_as_placed/	PATCH	(none)	200 OK	Validated
TC0082.01	No authentication / missing token	{{base_url}}/students/profiles/27/mark_as_placed/	PATCH	(none)	401 Unauthorized or 403 Forbidden	Rejected unauthenticated requests.
TC0083.01	Role-based access violation	{{base_url}}/students/profiles/27/mark_as_placed/	PATCH	Use role without permission (e.g., Student hitting Admin endpoint)	403 Forbidden	RBAC blocks access.
TC0084.01	Non-existent ID (404)	{{base_url}}/students/profiles/27/mark_as_placed/	PATCH	Use id=99999999	404 Not Found	Returned 404 without leaking internal info.
TC0085.01	Injection attempts (SQLi/XSS) in string fields	{{base_url}}/students/profiles/27/mark_as_placed/	PATCH	Use "' OR '1'='1" or "<script>alert(1)</script>"	400 / 422 / 200 (sanitized)	Inputs are validated, no data leak.

User Registration & Profile

[POST] {{base_url}}/users/register/

Endpoint name: POST Register Admin (Admin)

Request Body Example:

```
{
    "email": "new.admin@placemate.com",
    "phone_number": "9998887777",
    "first_name": "New",
    "last_name": "Admin",
    "roles": [1]
}
```

Test Case ID	Description	Request Body / Params	Expected Status	Expected Response & Validation

TC0086.01	Happy path - valid request	{
		    "email": "new.admin@placemate.com",
		    "phone_number": "9998887777",
		    "first_name": "New",
		    "last_name": "Admin",
		    "roles": [1]
		}
			201 Created	Validated

TC0087.01	Missing required field 'email'	Omit field 'email' from body	422 Unprocessable Entity / 400 Bad Request	Error message referencing 'email' required.
TC0088.01	Missing required field 'phone_number'	Omit field 'phone_number' from body	422 Unprocessable Entity / 400 Bad Request	Error message referencing 'phone_number' required.
TC0089.01	Missing required field 'first_name'	Omit field 'first_name' from body	422 Unprocessable Entity / 400 Bad Request	Error message referencing 'first_name' required.
TC0090.01	Missing required field 'last_name'	Omit field 'last_name' from body	422 Unprocessable Entity / 400	Error message referencing 'last_name'

			Bad Request	required.
TC0091.0 1	Missing required field 'roles'	Omit field 'roles' from body	422 Unprocessabl e Entity / 400 Bad Request	Error message referencing 'roles' required.
TC0092.0 1	Invalid type for 'email'	Set email = 12345	422 / 400	Validation error for type of 'email'.
TC0093.0 1	Invalid type for 'phone_numbe r'	Set phone_number = 12345	422 / 400	Validation error for type of 'phone_number '.
TC0094.0 1	Invalid type for 'first_name'	Set first_name = 12345	422 / 400	Validation error for type of 'first_name'.
TC0095.0 1	Invalid type for 'last_name'	Set last_name = 12345	422 / 400	Validation error for type of 'last_name'.
TC0096.0 1	Invalid type for 'roles'	Set roles = 12345	422 / 400	Validation error for type of 'roles'.
TC0097.0 1	No authentication / missing token	(none)	401 Unauthorized or 403 Forbidden	Rejected unauthenticate d requests.
TC0098.0 1	Role-based access violation	Use role without permission (e.g., Student hitting Admin endpoint)	403 Forbidden	RBAC blocks access.
TC0099.0 1	Non-existent ID (404)	Use id=99999999	404 Not Found	Returned 404 without leaking internal info.
TC0100.0 1	Injection attempts (SQLi/XSS) in string fields	Use "' OR '1'='1" or "<script>alert(1)</script>"	400 / 422 / 200 (sanitized)	Inputs are validated, no data leak.

[GET] {{base_url}}/users/me/

Endpoint name: GET My Profile

Test Case ID	Description	Request Body / Params	Expected Status	Expected Response & Validation
TC0101.01	Happy path - valid request	(none)	200 OK	Validated
TC0102.01	No authentication / missing token	(none)	401 Unauthorized or 403 Forbidden	Rejected unauthenticated requests.
TC0103.01	Role-based access violation	Use role without permission (e.g., Student hitting Admin endpoint)	403 Forbidden	RBAC blocks access.
TC0104.01	Non-existent ID (404)	Use id=99999999	404 Not Found	Returned 404 without leaking internal info.
TC0105.01	Injection attempts (SQLi/XSS) in string fields	Use "' OR '1'='1" or "<script>alert(1)</script>"	400 / 422 / 200 (sanitized)	Inputs are validated, no data leak.

[PATCH] {{base_url}}/users/me/

Endpoint name: PATCH Update Profile

Request Body Example:

```
{
    "first_name": "Updated",
    "last_name": "Name"
}
```

Test Case ID	Description	Request Body / Params	Expected Status	Expected Response & Validation
TC0106.01	Happy path - valid request	{ "first_name": "Updated", "last_name": "Name" }	200 OK	Validated
TC0107.01	Missing required field 'first_name'	Omit field 'first_name' from body	422 Unprocessable Entity / 400 Bad Request	Error message referencing 'first_name' required.
TC0108.01	Missing required field 'last_name'	Omit field 'last_name' from body	422 Unprocessable Entity / 400 Bad Request	Error message referencing 'last_name' required.
TC0109.01	Invalid type for 'first_name'	Set first_name = 12345	422 / 400	Validation error for type of 'first_name'.
TC0110.01	Invalid type for 'last_name'	Set last_name = 12345	422 / 400	Validation error for type of 'last_name'.
TC0111.01	No authentication / missing token	(none)	401 Unauthorized or 403 Forbidden	Rejected unauthenticated requests.
TC0112.01	Role-based access violation	Use role without permission (e.g., Student hitting Admin endpoint)	403 Forbidden	RBAC blocks access.
TC0113.01	Non-existent ID (404)	Use id=99999999	404 Not Found	Returned 404 without leaking internal info.
TC0114.01	Injection attempts (SQLi/XSS) in string fields	Use "' OR '1'='1" or "\<script\>alert(1)\</script\>"	400 / 422 / 200 (sanitized)	Inputs are validated, no data leak.

Administrative User Management

[GET] {{base_url}}/users/manage/

Endpoint name: GET List Users (Admin)

Test Case ID	Description	Request Body / Params	Expected Status	Expected Response & Validation
TC0115.01	Happy path - valid request	(none)	200 OK	Validated
TC0116.01	No authentication / missing token	(none)	401 Unauthorized or 403 Forbidden	Rejected unauthenticated requests.
TC0117.01	Role-based access violation	Use role without permission (e.g., Student hitting Admin endpoint)	403 Forbidden	RBAC blocks access.
TC0118.01	Non-existent ID (404)	Use id=99999999	404 Not Found	Returned 404 without leaking internal info.
TC0119.01	Injection attempts (SQLi/XSS) in string fields	Use "' OR '1'='1" or "<script>alert(1)</script>"	400 / 422 / 200 (sanitized)	Inputs are validated, no data leak.

[GET] {{base_url}}/users/manage/2/

Endpoint name: GET User Details (Admin)

Test Case ID	Description	Endpoint	Method	Request Body / Params	Expected Status	Expected Response & Validation
TC0120.01	Happy path - valid request	{{base_url}}/users/manage/2/	GET	(none)	200 OK	Validated
TC0121.01	No authentication / missing token	{{base_url}}/users/manage/2/	GET	(none)	401 Unauthorized or 403 Forbidden	Rejected unauthenticated requests.
TC0122.01	Role-based access violation	{{base_url}}/users/manage/2/	GET	Use role without permission (e.g., Student hitting Admin endpoint)	403 Forbidden	RBAC blocks access.
TC0123.01	Non-existent ID (404)	{{base_url}}/users/manage/2/	GET	Use id=99999999	404 Not Found	Returned 404 without leaking internal info.
TC0124.01	Injection attempts (SQLi/XSS) in string fields	{{base_url}}/users/manage/2/	GET	Use "' OR '1'='1" or "<script>alert(1)</script>"	400 / 422 / 200 (sanitized)	Inputs are validated, no data leak.

[PATCH] {{base_url}}/users/manage/1/

Endpoint name: PATCH Update User (Admin)

Request Body Example:

```
{
    "first_name": "Admin",
    "last_name": "Updated"
}
```

Test Case ID	Description	Endpoint	Method	Request Body / Params	Expected Status	Expected Response & Validation
TC0125.01	Happy path - valid request	{{base_url}}/users/manage/1/	PATCH	{ "first_name": "Admin", "last_name": "Updated" }	200 OK	Validated
TC0126.01	Missing required field 'first_name'	{{base_url}}/users/manage/1/	PATCH	Omit field 'first_name' from body	422 Unprocessable Entity / 400 Bad Request	Error message referencing 'first_name' required.
TC0127.01	Missing required field 'last_name'	{{base_url}}/users/manage/1/	PATCH	Omit field 'last_name' from body	422 Unprocessable Entity / 400 Bad Request	Error message referencing 'last_name' required.
TC0128.01	Invalid type for 'first_name'	{{base_url}}/users/manage/1/	PATCH	Set first_name = 12345	422 / 400	Validation error for type of 'first_name'.
TC0129.01	Invalid type for 'last_name'	{{base_url}}/users/manage/1/	PATCH	Set last_name = 12345	422 / 400	Validation error for type of 'last_name'.

TC0130.01	No authentication / missing token	{{base_url}}/users/manage/1/	PATCH	(none)	401 Unauthorized or 403 Forbidden	Rejected unauthenticated requests.
TC0131.01	Role-based access violation	{{base_url}}/users/manage/1/	PATCH	Use role without permission (e.g., Student hitting Admin endpoint)	403 Forbidden	RBAC blocks access.
TC0132.01	Non-existent ID (404)	{{base_url}}/users/manage/1/	PATCH	Use id=99999999	404 Not Found	Returned 404 without leaking internal info.
TC0133.01	Injection attempts (SQLi/XSS) in string fields	{{base_url}}/users/manage/1/	PATCH	Use "' OR '1'='1" or "<script>alert(1)</script>"	400 / 422 / 200 (sanitized)	Inputs are validated, no data leak.

[PATCH] {{base_url}}/users/manage/29/roles/

Endpoint name: PATCH Update User Roles (Admin)

Request Body Example:

```
{
   "roles": [3]
}
```

Test Case ID	Description	Endpoint	Method	Request Body / Params	Expected Status	Expected Response & Validation
TC013 4.01	Happy path - valid request	{{base_url}}/users/man age/29/roles/	PATC H	{ "roles": [3] }	200 OK	Validated
TC013 5.01	Missing required field 'roles'	{{base_url}}/users/man age/29/roles/	PATC H	Omit field 'roles' from body	422 Unproces sable Entity / 400 Bad Request	Error message referencin g 'roles' required.
TC013 6.01	Invalid type for 'roles'	{{base_url}}/users/man age/29/roles/	PATC H	Set roles = 12345	422 / 400	Validation error for type of 'roles'.
TC013 7.01	No authentic ation / missing token	{{base_url}}/users/man age/29/roles/	PATC H	(none)	401 Unautho rized or 403 Forbidde n	Rejected unauthent icated requests.
TC013 8.01	Role-based access violation	{{base_url}}/users/man age/29/roles/	PATC H	Use role without permission (e.g., Student hitting Admin endpoint)	403 Forbidde n	RBAC blocks access.
TC013 9.01	Non-existent ID (404)	{{base_url}}/users/man age/29/roles/	PATC H	Use id=99999999	404 Not Found	Returned 404 without leaking internal

						info.
TC0140.01	Injection attempts (SQLi/XSS) in string fields	{{base_url}}/users/manage/29/roles/	PATCH	Use "' OR '1'='1" or "<script>alert(1)</script>"	400 / 422 / 200 (sanitized)	Inputs are validated, no data leak.

[PATCH] {{base_url}}/users/manage/{{user_id}}/activation/

Endpoint name: PATCH Activate/Deactivate User (Admin)

Request Body Example:

```
{
    "is_active": false
}
```

Test Case ID	Description	Endpoint	Method	Request Body / Params	Expected Status	Expected Response & Validation
TC014 1.01	Happy path - valid request	{{base_url}}/users/manage/{{ user_id}}/activation/	PAT CH	{ "is_active": false }	200 OK	Validated
TC014 2.01	Missing required field 'is_activ e'	{{base_url}}/users/manage/{{ user_id}}/activation/	PAT CH	Omit field 'is_active' from body	422 Unproce ssable Entity / 400 Bad Request	Error message referenci ng 'is_active' required.
TC014 3.01	Invalid type for 'is_activ e'	{{base_url}}/users/manage/{{ user_id}}/activation/	PAT CH	Set is_active = "invalid"	422 / 400	Validatio n error for type of 'is_active' .
TC014 4.01	No authenti cation / missing token	{{base_url}}/users/manage/{{ user_id}}/activation/	PAT CH	(none)	401 Unauth orized or 403 Forbidd en	Rejected unauthen ticated requests.
TC014 5.01	Role-based access violatio n	{{base_url}}/users/manage/{{ user_id}}/activation/	PAT CH	Use role without permission (e.g., Student hitting Admin endpoint)	403 Forbidd en	RBAC blocks access.

TC0146.01	Non-existent ID (404)	{{base_url}}/users/manage/{{user_id}}/activation/	PATCH	Use id=99999999	404 Not Found	Returned 404 without leaking internal info.
TC0147.01	Injection attempts (SQLi/XSS) in string fields	{{base_url}}/users/manage/{{user_id}}/activation/	PATCH	Use "' OR '1'='1" or "<script>alert(1)</script>"	400 / 422 / 200 (sanitized)	Inputs are validated, no data leak.

User Filtering

[GET] {{base_url}}/users/manage/?role_id=3

Endpoint name: GET Users by Role

Query Params: role_id=3

Test Case ID	Description	Endpoint	Method	Request Body / Params	Expected Status	Expected Response & Validation
TC0148.01	Happy path - valid request	{{base_url}}/users/manage/?role_id=3	GET	(none)	200 OK	Validated
TC0149.01	No authentication / missing token	{{base_url}}/users/manage/?role_id=3	GET	(none)	401 Unauthorized or 403 Forbidden	Rejected unauthenticated requests.
TC0150.01	Role-based access violation	{{base_url}}/users/manage/?role_id=3	GET	Use role without permission (e.g., Student hitting Admin endpoint)	403 Forbidden	RBAC blocks access.
TC0151.01	Non-existent ID (404)	{{base_url}}/users/manage/?role_id=3	GET	Use id=99999999	404 Not Found	Returned 404 without leaking internal info.
TC0152.01	Injection attempts (SQLi/XSS) in string fields	{{base_url}}/users/manage/?role_id=3	GET	Use "' OR '1'='1" or "<script>alert(1)</script>"	400 / 422 / 200 (sanitized)	Inputs are validated, no data leak.

[GET] {{base_url}}users/manage/?is_active=false

Endpoint name: GET Users by Status

Query Params: is_active=false

Test Case ID	Description	Endpoint	Method	Request Body / Params	Expected Status	Expected Response & Validation
TC0153.01	Happy path - valid request	{{base_url}}users/manage/?is_active=false	GET	(none)	200 OK	Validated
TC0154.01	No authentication / missing token	{{base_url}}users/manage/?is_active=false	GET	(none)	401 Unauthorized or 403 Forbidden	Rejected unauthenticated requests.
TC0155.01	Role-based access violation	{{base_url}}users/manage/?is_active=false	GET	Use role without permission (e.g., Student hitting Admin endpoint)	403 Forbidden	RBAC blocks access.
TC0156.01	Non-existent ID (404)	{{base_url}}users/manage/?is_active=false	GET	Use id=99999999	404 Not Found	Returned 404 without leaking internal info.
TC0157.01	Injection attempts (SQLi/XSS) in string fields	{{base_url}}users/manage/?is_active=false	GET	Use "' OR '1'='1" or "<script>alert(1)</script>"	400 / 422 / 200 (sanitized)	Inputs are validated, no data leak.

Core Data

[GET] {{base_url}}/core/lookup/?type=countries

Endpoint name: GET Lookup Data

Query Params: type=countries

Test Case ID	Description	Endpoint	Method	Request Body / Params	Expected Status	Expected Response & Validation
TC0158.01	Happy path - valid request	{{base_url}}/core/lookup/?type=countries	GET	(none)	200 OK	Validated
TC0159.01	No authentication / missing token	{{base_url}}/core/lookup/?type=countries	GET	(none)	401 Unauthorized or 403 Forbidden	Rejected unauthenticated requests.
TC0160.01	Role-based access violation	{{base_url}}/core/lookup/?type=countries	GET	Use role without permission (e.g., Student hitting Admin endpoint)	403 Forbidden	RBAC blocks access.
TC0161.01	Non-existent ID (404)	{{base_url}}/core/lookup/?type=countries	GET	Use id=99999999	404 Not Found	Returned 404 without leaking internal info.
TC0162.01	Injection attempts (SQLi/XSS) in string fields	{{base_url}}/core/lookup/?type=countries	GET	Use "' OR '1'='1" or "<script>alert(1)</script>"	400 / 422 / 200 (sanitized)	Inputs are validated, no data leak.

Companies

[GET] {{base_url}}/companies/

Endpoint name: GET List Companies

Test Case ID	Description	Endpoint	Method	Request Body / Params	Expected Status	Expected Response & Validation
TC0163.01	Happy path - valid request	{{base_url}}/companies/	GET	(none)	200 OK	Validated
TC0164.01	No authentication / missing token	{{base_url}}/companies/	GET	(none)	401 Unauthorized or 403 Forbidden	Rejected unauthenticated requests.
TC0165.01	Role-based access violation	{{base_url}}/companies/	GET	Use role without permission (e.g., Student hitting Admin endpoint)	403 Forbidden	RBAC blocks access.
TC0166.01	Non-existent ID (404)	{{base_url}}/companies/	GET	Use id=99999999	404 Not Found	Returned 404 without leaking internal info.
TC0167.01	Injection attempts (SQLi/XSS) in string fields	{{base_url}}/companies/	GET	Use "' OR '1'='1" or "<script>alert(1)</script>"	400 / 422 / 200 (sanitized)	Inputs are validated, no data leak.

[POST] {{base_url}}/companies/

Endpoint name: POST Create Company

Request Body Example:

```
{
    "name": "Tech Corp",
    "description": "Technology Company",
    "website": "https://techcorp.com",
    "address": "123 Business Street"
}
```

Test Case ID	Description	Endpoint	Method	Request Body / Params	Expected Status	Expected Response & Validation

TC0168.01	Happy path - valid request	{{base_url}}/companies/	POST	{
				    "name": "Tech Corp",
				    "description": "Technology Company",
				    "website": "https://techcorp.com",
				    "address": "123 Business Street"
				}
					201 Created	Validated

TC0169.01	Missing required field 'name'	{{base_url}}/companies/	POST	Omit field 'name' from body	422 Unprocessable Entity / 400 Bad Request	Error message referencing 'name' required.
TC0170.01	Missing required field 'description'	{{base_url}}/companies/	POST	Omit field 'description' from body	422 Unprocessable Entity / 400 Bad Request	Error message referencing 'description' required.
TC0171.01	Missing required field 'website'	{{base_url}}/companies/	POST	Omit field 'website' from body	422 Unprocessable Entity / 400 Bad Request	Error message referencing 'website' required.
TC0172.01	Missing required field	{{base_url}}/companies/	POST	Omit field 'address' from body	422 Unprocessable Entity	Error message referencing

					/ 400 Bad Request	'address' required.
TC0173.01	Invalid type for 'name'	{{base_url}}/companies/	POST	Set name = 12345	422 / 400	Validation error for type of 'name'.
TC0174.01	Invalid type for 'description n'	{{base_url}}/companies/	POST	Set description = 12345	422 / 400	Validation error for type of 'description'.
TC0175.01	Invalid type for 'website'	{{base_url}}/companies/	POST	Set website = 12345	422 / 400	Validation error for type of 'website'.
TC0176.01	Invalid type for 'address'	{{base_url}}/companies/	POST	Set address = 12345	422 / 400	Validation error for type of 'address'.
TC0177.01	No authentica tion / missing token	{{base_url}}/companies/	POST	(none)	401 Unauthoriz ed or 403 Forbidden	Rejected unauthentic ated requests.
TC0178.01	Role-based access violation	{{base_url}}/companies/	POST	Use role without permission (e.g., Student hitting Admin endpoint)	403 Forbidden	RBAC blocks access.
TC0179.01	Non-existent ID (404)	{{base_url}}/companies/	POST	Use id=99999999	404 Not Found	Returned 404 without leaking internal info.
TC0180.01	Injection attempts (SQLi/XSS) in string fields	{{base_url}}/companies/	POST	Use "' OR '1'='1" or "<script>alert(1)</script>"	400 / 422 / 200 (sanitized)	Inputs are validated, no data leak.

[GET] {{base_url}}/companies/3/

Endpoint name: GET Company Details

Test Case ID	Description	Endpoint	Method	Request Body / Params	Expected Status	Expected Response & Validation
TC0181 .01	Happy path - valid request	{{base_url}}/comp anies/3/	GET	(none)	200 OK	Validated
TC0182 .01	No authentic ation / missing token	{{base_url}}/comp anies/3/	GET	(none)	401 Unauthor ized or 403 Forbidde n	Rejected unauthenti cated requests.
TC0183 .01	Role-based access violation	{{base_url}}/comp anies/3/	GET	Use role without permission (e.g., Student hitting Admin endpoint)	403 Forbidde n	RBAC blocks access.
TC0184 .01	Non-existent ID (404)	{{base_url}}/comp anies/3/	GET	Use id=99999999	404 Not Found	Returned 404 without leaking internal info.
TC0185 .01	Injection attempts (SQLi/XSS) in string fields	{{base_url}}/comp anies/3/	GET	Use "' OR '1'='1" or "<script>alert(1)</ script>"	400 / 422 / 200 (sanitized)	Inputs are validated, no data leak.

[PATCH] {{base_url}}/companies/1/

Endpoint name: PATCH Update Company

Request Body Example:

```
{
   "name": "Updated Tech Corp"
}
```

Test Case ID	Description	Endpoint	Method	Request Body / Params	Expected Status	Expected Response & Validation
TC0186.01	Happy path - valid request	{{base_url}}/companies/1/	PATCH	{ "name": "Updated Tech Corp" }	200 OK	Validated
TC0187.01	Missing required field 'name'	{{base_url}}/companies/1/	PATCH	Omit field 'name' from body	422 Unprocessable Entity / 400 Bad Request	Error message referencing 'name' required.
TC0188.01	Invalid type for 'name'	{{base_url}}/companies/1/	PATCH	Set name = 12345	422 / 400	Validation error for type of 'name'.
TC0189.01	No authentication / missing token	{{base_url}}/companies/1/	PATCH	(none)	401 Unauthorized or 403 Forbidden	Rejected unauthenticated requests.
TC0190.01	Role-based access violation	{{base_url}}/companies/1/	PATCH	Use role without permission (e.g., Student hitting Admin endpoint)	403 Forbidden	RBAC blocks access.
TC0191.01	Non-existent ID (404)	{{base_url}}/companies/1/	PATCH	Use id=99999999	404 Not Found	Returned 404 without leaking internal

						info.
TC0192.01	Injection attempts (SQLi/XSS) in string fields	{{base_url}}/companies/1/	PATCH	Use "' OR '1'='1" or "<script>alert(1)</script>"	400 / 422 / 200 (sanitized)	Inputs are validated, no data leak.

Password Reset

[POST] {{base_url}}/password-reset/

Endpoint name: POST Request Reset

Request Body Example:

```
{
    "email": "user@example.com"
}
```

Test Case ID	Description	Request Body / Params	Expected Status	Expected Response & Validation
TC0193.01	Happy path - valid request	`{ "email": "user@example.com" }`	201 Created	Validated
TC0194.01	Missing required field 'email'	Omit field 'email' from body	422 Unprocessable Entity / 400 Bad Request	Error message referencing 'email' required.
TC0195.01	Invalid type for 'email'	Set email = 12345	422 / 400	Validation error for type of 'email'.
TC0196.01	No authentication / missing token	(none)	401 Unauthorized or 403 Forbidden	Rejected unauthenticated requests.
TC0197.01	Role-based access violation	Use role without permission (e.g., Student hitting Admin endpoint)	403 Forbidden	RBAC blocks access.
TC0198.01	Non-existent ID (404)	Use id=99999999	404 Not Found	Returned 404 without leaking internal info.
TC0199.01	Injection attempts (SQLi/XSS) in string fields	Use "' OR '1'='1" or "<script>alert(1)</script>"	400 / 422 / 200 (sanitized)	Inputs are validated, no data leak.

[POST] {{base_url}}/password-reset/confirm/

Endpoint name: POST Confirm Reset

Request Body Example:

```
{
    "token": "reset_token",
    "password": "new_password"
}
```

Test Case ID	Description	Request Body / Params	Expected Status	Expected Response & Validation

TC0200.01	Happy path - valid request	`{`
		`    "token":  "reset_token",`
		`    "password": "new_password"`
		`}`
			201 Created	Validated

TC0201.01	Missing required field 'token'	Omit field 'token' from body	422 Unprocessable Entity / 400 Bad Request	Error message referencing 'token' required.
TC0202.01	Missing required field 'password'	Omit field 'password' from body	422 Unprocessable Entity / 400 Bad Request	Error message referencing 'password' required.
TC0203.01	Invalid type for 'token'	Set token = 12345	422 / 400	Validation error for type of 'token'.
TC0204.01	Invalid type for 'password'	Set password = 12345	422 / 400	Validation error for type of 'password'.
TC0205.01	No authentication / missing token	(none)	401 Unauthorized or 403 Forbidden	Rejected unauthenticated requests.
TC0206.01	Role-based access violation	Use role without permission (e.g., Student hitting Admin endpoint)	403 Forbidden	RBAC blocks access.
TC0207.01	Non-existent ID (404)	Use id=99999999	404 Not Found	Returned 404 without leaking internal info.
TC0208.01	Injection attempts (SQLi/XSS) in string fields	Use "' OR '1'='1" or "<script>alert(1)</script>"	400 / 422 / 200 (sanitized)	Inputs are validated, no data leak.

PlacementDrives (Admin)

[POST] {{base_url}}/placements/placement-drives/

Endpoint name: POST Create Placement Drive

Request Body Example:

```
{
  "title": "Campus Placements 2024",
  "start_date": "2024-08-01T00:00:00Z",
  "end_date": "2024-12-31T23:59:59Z"
}
```

Test Case ID	Description	Request Body / Params	Expected Status	Expected Response & Validation
TC0209.01	Happy path - valid request	`{ "title": "Campus Placements 2024", "start_date": "2024-08-01T00:00:00Z", "end_date": "2024-12-31T23:59:59Z" }`	201 Created	Validated
TC0210.01	Missing required field 'title'	Omit field 'title' from body	422 Unprocessable Entity / 400 Bad Request	Error message referencing 'title' required.
TC0211.01	Missing required field 'start_date'	Omit field 'start_date' from body	422 Unprocessable Entity / 400 Bad Request	Error message referencing 'start_date' required.
TC0212.01	Missing required field 'end_date'	Omit field 'end_date' from body	422 Unprocessable Entity / 400 Bad Request	Error message referencing 'end_date' required.
TC0213.01	Invalid type for 'title'	Set title = 12345	422 / 400	Validation error for type of 'title'.
TC0214.01	Invalid type for 'start_date'	Set start_date = 12345	422 / 400	Validation error for type of 'start_date'.
TC0215.01	Invalid type for 'end_date'	Set end_date = 12345	422 / 400	Validation error for type of 'end_date'.

TC0216.01	No authentication / missing token	(none)	401 Unauthorized or 403 Forbidden	Rejected unauthenticated requests.
TC0217.01	Role-based access violation	Use role without permission (e.g., Student hitting Admin endpoint)	403 Forbidden	RBAC blocks access.
TC0218.01	Non-existent ID (404)	Use id=99999999	404 Not Found	Returned 404 without leaking internal info.
TC0219.01	Injection attempts (SQLi/XSS) in string fields	Use "' OR '1'='1" or "<script>alert(1)</script>"	400 / 422 / 200 (sanitized)	Inputs are validated, no data leak.

[GET] {{base_url}}/placements/placement-drives/

Endpoint name: GET List Placement Drives

Test Case ID	Description	Request Body / Params	Expected Status	Expected Response & Validation
TC0220.01	Happy path - valid request	(none)	200 OK	Validated
TC0221.01	No authentication / missing token	(none)	401 Unauthorized or 403 Forbidden	Rejected unauthenticated requests.
TC0222.01	Role-based access violation	Use role without permission (e.g., Student hitting Admin endpoint)	403 Forbidden	RBAC blocks access.
TC0223.01	Non-existent ID (404)	Use id=99999999	404 Not Found	Returned 404 without leaking internal info.
TC0224.01	Injection attempts (SQLi/XSS) in string fields	Use "' OR '1'='1" or "<script>alert(1)</script>"	400 / 422 / 200 (sanitized)	Inputs are validated, no data leak.

[GET] {{base_url}}/placements/placement-drives/1/

Endpoint name: GET Placement Drive

Test Case ID	Description	Endpoint	Method	Request Body / Params	Expected Status	Expected Response & Validation
TC0225.01	Happy path - valid request	{{base_url}}/placements/placement-drives/1/	GET	(none)	200 OK	Validated
TC0226.01	No authentication / missing token	{{base_url}}/placements/placement-drives/1/	GET	(none)	401 Unauthorized or 403 Forbidden	Rejected unauthenticated requests.
TC0227.01	Role-based access violation	{{base_url}}/placements/placement-drives/1/	GET	Use role without permission (e.g., Student hitting Admin endpoint)	403 Forbidden	RBAC blocks access.
TC0228.01	Non-existent ID (404)	{{base_url}}/placements/placement-drives/1/	GET	Use id=99999999	404 Not Found	Returned 404 without leaking internal info.
TC0229.01	Injection attempts (SQLi/XSS) in string fields	{{base_url}}/placements/placement-drives/1/	GET	Use "' OR '1'='1" or "<script>alert(1)</script>"	400 / 422 / 200 (sanitized)	Inputs are validated, no data leak.

[PATCH] {{base_url}}/placements/placement-drives/1/

Endpoint name: PATCH Update Placement Drive

Request Body Example:

```
{
  "title":          "Campus          Placements          2024          -          Updated"
}
```

Test Case ID	Description	Endpoint	Request Body / Params	Expected Status	Expected Response & Validation

TC0230 .01	Happy path - valid request	{{base_url}}/placements/ placement-drives/1/	{
			 "title": "Campus Placements 2024 - Updated"
			}
				200 OK	Validated

TC0231 .01	Missing required field 'title'	{{base_url}}/placements/ placement-drives/1/	Omit field 'title' from body	422 Unprocess able Entity / 400 Bad Request	Error message referencing 'title' required.
TC0232 .01	Invalid type for 'title'	{{base_url}}/placements/ placement-drives/1/	Set title = 12345	422 / 400	Validation error for type of 'title'.
TC0233 .01	No authentic ation / missing token	{{base_url}}/placements/ placement-drives/1/	(none)	401 Unauthori zed or 403 Forbidden	Rejected unauthenti cated requests.
TC0234 .01	Role-based access violation	{{base_url}}/placements/ placement-drives/1/	Use role without permission (e.g., Student hitting Admin endpoint)	403 Forbidden	RBAC blocks access.
TC0235 .01	Non-existent ID (404)	{{base_url}}/placements/ placement-drives/1/	Use id=99999999	404 Not Found	Returned 404 without leaking internal

					info.
TC0236 .01	Injection attempts (SQLi/XSS) in string fields	{{base_url}}/placements/ placement-drives/1/	Use "' OR '1'='1" or "<script>alert(1)</ script>"	400 / 422 / 200 (sanitized)	Inputs are validated, no data leak.

[DELETE] {{base_url}}/placements/placement-drives/1/

Endpoint name: DELETE Placement Drive

Test Case ID	Description	Endpoint	Request Body / Params	Expected Status	Expected Response & Validation
TC0237.01	Happy path - valid request	{{base_url}}/placements/placement-drives/1/	(none)	200 OK	Validated
TC0238.01	No authentication / missing token	{{base_url}}/placements/placement-drives/1/	(none)	401 Unauthorized or 403 Forbidden	Rejected unauthenticated requests.
TC0239.01	Role-based access violation	{{base_url}}/placements/placement-drives/1/	Use role without permission (e.g., Student hitting Admin endpoint)	403 Forbidden	RBAC blocks access.
TC0240.01	Non-existent ID (404)	{{base_url}}/placements/placement-drives/1/	Use id=99999999	404 Not Found	Returned 404 without leaking internal info.
TC0241.01	Injection attempts (SQLi/XSS) in string fields	{{base_url}}/placements/placement-drives/1/	Use "' OR '1'='1" or "<script>alert(1)</script>"	400 / 422 / 200 (sanitized)	Inputs are validated, no data leak.

Company Drives

Endpoint name: POST Create Company Drive (Admin)

Request Body Example:

```
{
 "drive":                                                                    1,
 "company":                                                                  1,
 "drive_type":                                                        "FullTime",
 "job_mode":                                                            "Hybrid",
 "application_deadline":                                   "2024-10-15T23:59:59Z",
 "status":                                                                "Open",
 "rounds":          ["Online        Test",        "Technical     Interview",      "HR        Round"],
 "locations":                 ["Bangalore",                "Hyderabad",                 "Remote"]
}
```

Test Case ID	Description	Request Body / Params	Expected Status	Expected Response & Validation
TC0242.01	Happy path - valid request	```{ "drive": 1, "company": 1, "drive_type": "FullTime", "job_mode": "Hybrid", "application_deadline": "2024-10-15T23:59:59Z", "status": "Open", "rounds": ["Online Test", "Technical Interview", "HR Round"], "locations": ["Bangalore", "Hyderabad", "Remote"] }```	201 Created	Validated
TC0243.01	Missing required field 'drive'	Omit field 'drive' from body	422 Unprocessable Entity /	Error message referencing 'drive' required.

			400 Bad Request	
TC0244.01	Missing required field 'company'	Omit field 'company' from body	422 Unprocessable Entity / 400 Bad Request	Error message referencing 'company' required.
TC0245.01	Missing required field 'drive_type'	Omit field 'drive_type' from body	422 Unprocessable Entity / 400 Bad Request	Error message referencing 'drive_type' required.
TC0246.01	Missing required field 'job_mode'	Omit field 'job_mode' from body	422 Unprocessable Entity / 400 Bad Request	Error message referencing 'job_mode' required.
TC0247.01	Missing required field 'application_deadline'	Omit field 'application_deadline' from body	422 Unprocessable Entity / 400 Bad Request	Error message referencing 'application_deadline' required.
TC0248.01	Missing required field 'status'	Omit field 'status' from body	422 Unprocessable Entity / 400 Bad Request	Error message referencing 'status' required.
TC0249.01	Missing required field 'rounds'	Omit field 'rounds' from body	422 Unprocessable Entity / 400 Bad Request	Error message referencing 'rounds' required.
TC0250.01	Missing required field 'locations'	Omit field 'locations' from body	422 Unprocessable Entity / 400 Bad Request	Error message referencing 'locations' required.
TC0251.01	Invalid type for 'drive'	Set drive = "invalid"	422 / 400	Validation error for type of 'drive'.
TC0252.01	Invalid type for 'company'	Set company = "invalid"	422 / 400	Validation error for type of 'company'.

TC0253.0 1	Invalid type for 'drive_type'	Set drive_type = 12345	422 / 400	Validation error for type of 'drive_type'.
TC0254.0 1	Invalid type for 'job_mode'	Set job_mode = 12345	422 / 400	Validation error for type of 'job_mode'.
TC0255.0 1	Invalid type for 'application_deadli ne'	Set application_deadline = 12345	422 / 400	Validation error for type of 'application_deadlin e'.
TC0256.0 1	Invalid type for 'status'	Set status = 12345	422 / 400	Validation error for type of 'status'.
TC0257.0 1	Invalid type for 'rounds'	Set rounds = 12345	422 / 400	Validation error for type of 'rounds'.
TC0258.0 1	Invalid type for 'locations'	Set locations = 12345	422 / 400	Validation error for type of 'locations'.
TC0259.0 1	No authentication / missing token	(none)	401 Unauthorize d or 403 Forbidden	Rejected unauthenticated requests.
TC0260.0 1	Role-based access violation	Use role without permission (e.g., Student hitting Admin endpoint)	403 Forbidden	RBAC blocks access.
TC0261.0 1	Non-existent ID (404)	Use id=99999999	404 Not Found	Returned 404 without leaking internal info.
TC0262.0 1	Injection attempts (SQLi/XSS) in string fields	Use "' OR '1'='1" or "<script>alert(1)</scrip t>"	400 / 422 / 200 (sanitized)	Inputs are validated, no data leak.

[GET] {{base_url}}/placements/company-drives/

Endpoint name: GET List Company Drives

Test Case ID	Description	Request Body / Params	Expected Status	Expected Response & Validation
TC0263.01	Happy path - valid request	(none)	200 OK	Validated
TC0264.01	No authentication / missing token	(none)	401 Unauthorized or 403 Forbidden	Rejected unauthenticated requests.
TC0265.01	Role-based access violation	Use role without permission (e.g., Student hitting Admin endpoint)	403 Forbidden	RBAC blocks access.
TC0266.01	Non-existent ID (404)	Use id=99999999	404 Not Found	Returned 404 without leaking internal info.
TC0267.01	Injection attempts (SQLi/XSS) in string fields	Use "' OR '1'='1" or "<script>alert(1)</script>"	400 / 422 / 200 (sanitized)	Inputs are validated, no data leak.

[GET] {{base_url}}/placements/company-drives/1/

Endpoint name: GET Company Drive

Test Case ID	Description	Endpoint	Request Body / Params	Expected Status	Expected Response & Validation
TC0268.01	Happy path - valid request	{{base_url}}/placements/company-drives/1/	(none)	200 OK	Validated
TC0269.01	No authentication / missing token	{{base_url}}/placements/company-drives/1/	(none)	401 Unauthorized or 403 Forbidden	Rejected unauthenticated requests.
TC0270	Role-	{{base_url}}/placements/	Use role without	403	RBAC

.01	based access violation	company-drives/1/	permission (e.g., Student hitting Admin endpoint)	Forbidden	blocks access.
TC0271.01	Non-existent ID (404)	{{base_url}}/placements/company-drives/1/	Use id=99999999	404 Not Found	Returned 404 without leaking internal info.
TC0272.01	Injection attempts (SQLi/XSS) in string fields	{{base_url}}/placements/company-drives/1/	Use "' OR '1'='1" or "<script>alert(1)</script>"	400 / 422 / 200 (sanitized)	Inputs are validated, no data leak.

[PATCH] {{base_url}}/placements/company-drives/1/

Endpoint name: PATCH Update Company Drive (Admin)

Request Body Example:

```
{
  "status": "Closed",
  "application_deadline": "2024-09-30T23:59:59Z"
}
```

Test Case ID	Description	Endpoint	Request Body / Params	Expected Status	Expected Response & Validation
TC0273.01	Happy path - valid request	{{base_url}}/placements/company-drives/1/	{ "status": "Closed", "application_deadline": "2024-09-30T23:59:59Z" }	200 OK	Validated
TC0274.01	Missing required field 'status'	{{base_url}}/placements/company-drives/1/	Omit field 'status' from body	422 Unprocessable Entity / 400 Bad Request	Error message referencing 'status' required.
TC0275.01	Missing required field 'application_deadline'	{{base_url}}/placements/company-drives/1/	Omit field 'application_deadline' from body	422 Unprocessable Entity / 400 Bad Request	Error message referencing 'application_deadline' required.
TC0276.01	Invalid type for 'status'	{{base_url}}/placements/company-drives/1/	Set status = 12345	422 / 400	Validation error for type of 'status'.
TC0277.01	Invalid type for 'application_deadline'	{{base_url}}/placements/company-drives/1/	Set application_deadline = 12345	422 / 400	Validation error for type of 'application_deadline'.

TC0278.01	No authentication / missing token	{{base_url}}/placements/company-drives/1/	(none)	401 Unauthorized or 403 Forbidden	Rejected unauthenticated requests.
TC0279.01	Role-based access violation	{{base_url}}/placements/company-drives/1/	Use role without permission (e.g., Student hitting Admin endpoint)	403 Forbidden	RBAC blocks access.
TC0280.01	Non-existent ID (404)	{{base_url}}/placements/company-drives/1/	Use id=99999999	404 Not Found	Returned 404 without leaking internal info.
TC0281.01	Injection attempts (SQLi/XSS) in string fields	{{base_url}}/placements/company-drives/1/	Use "' OR '1'='1" or "<script>alert(1)</script>"	400 / 422 / 200 (sanitized)	Inputs are validated, no data leak.

[DELETE] {{base_url}}/placements/company-drives/1/

Endpoint name: DELETE Company Drive (Admin)

Test Case ID	Description	Endpoint	Method	Request Body / Params	Expected Status	Expected Response & Validation
TC0282.01	Happy path - valid request	{{base_url}}/placements/company-drives/1/	DELETE	(none)	200 OK	Validated
TC0283.01	No authentication / missing token	{{base_url}}/placements/company-drives/1/	DELETE	(none)	401 Unauthorized or 403 Forbidden	Rejected unauthenticated requests.
TC0284.01	Role-based access violation	{{base_url}}/placements/company-drives/1/	DELETE	Use role without permission (e.g., Student hitting Admin endpoint)	403 Forbidden	RBAC blocks access.
TC0285.01	Non-existent ID (404)	{{base_url}}/placements/company-drives/1/	DELETE	Use id=99999999	404 Not Found	Returned 404 without leaking internal info.
TC0286.01	Injection attempts (SQLi/XSS) in string fields	{{base_url}}/placements/company-drives/1/	DELETE	Use "' OR '1'='1" or "<script>alert(1)</script>"	400 / 422 / 200 (sanitized)	Inputs are validated, no data leak.

[GET] {{base_url}}/placements/company-drives/1/jobs/

Endpoint name: GET Company Drive Job

Test Case ID	Description	Endpoint	Request Body / Params	Expected Status	Expected Response & Validation
TC0287.01	Happy path - valid request	{{base_url}}/placements/company-drives/1/jobs/	(none)	200 OK	Validated
TC0288.01	No authentication / missing token	{{base_url}}/placements/company-drives/1/jobs/	(none)	401 Unauthorized or 403 Forbidden	Rejected unauthenticated requests.
TC0289.01	Role-based access violation	{{base_url}}/placements/company-drives/1/jobs/	Use role without permission (e.g., Student hitting Admin endpoint)	403 Forbidden	RBAC blocks access.
TC0290.01	Non-existent ID (404)	{{base_url}}/placements/company-drives/1/jobs/	Use id=99999999	404 Not Found	Returned 404 without leaking internal info.
TC0291.01	Injection attempts (SQLi/XSS) in string fields	{{base_url}}/placements/company-drives/1/jobs/	Use "' OR '1'='1" or "<script>alert(1)</script>"	400 / 422 / 200 (sanitized)	Inputs are validated, no data leak.

Jobs

[POST] {{base_url}}/placements/jobs/

Endpoint name: New Request

Request Body Example:

```
{
  "drive": 1,
  "title": "UI/UX Developer",  // Unique title
  "description_ug": "Build user interfaces for web applications",
  "min_ug_cgpa": 7.0,
  "ug_package_min": 700000,
  "ug_package_max": 1000000,
  "eligible_programs": [4]  // Try with program 4 only (which isn't used yet)
}
```

Test Case ID	Description	Request Body / Params	Expected Status	Expected Response & Validation

TC0292.01	Happy path - valid request	{
		  "drive": 1,
		  "title": "UI/UX Developer", // Unique title
		  "description_ug": "Build user interfaces for web applications",
		  "min_ug_cgpa": 7.0,
		  "ug_package_min": 700000,
		  "ug_package_max": 1000000,
		  "eligible_programs": [4]
		// Try with program 4 only (which isn't used yet)
		}
			201 Created	Validated

TC0293.01	No authentication / missing token	(none)	401 Unauthorized or 403 Forbidden	Rejected unauthenticated requests.
TC0294.01	Role-based access	Use role without permission (e.g., Student	403 Forbidden	RBAC blocks access.

		violation	hitting Admin endpoint)		
TC0295.01	Non-existent ID (404)	Use id=99999999		404 Not Found	Returned 404 without leaking internal info.
TC0296.01	Injection attempts (SQLi/XSS) in string fields	Use "' OR '1'='1" or "<script>alert(1)</script>"		400 / 422 / 200 (sanitized)	Inputs are validated, no data leak.

[GET]

Endpoint name: New Request

Test Case ID	Description	Request Body / Params	Expected Status	Expected Response & Validation
TC0301.01	Happy path - valid request	(none)	200 OK	Validated
TC0302.01	No authentication / missing token	(none)	401 Unauthorized or 403 Forbidden	Rejected unauthenticated requests.
TC0303.01	Role-based access violation	Use role without permission (e.g., Student hitting Admin endpoint)	403 Forbidden	RBAC blocks access.
TC0304.01	Injection attempts (SQLi/XSS) in string fields	Use "' OR '1'='1'" or "<script>alert(1)</script>"	400 / 422 / 200 (sanitized)	Inputs are validated, no data leak.

[PATCH] {{base_url}}/placements/jobs/1/

Endpoint name: PATCH (Admin)

Request Body Example:

```
{
 "title": "Senior Software Engineer",
 "min_ug_cgpa": 8.0,
 "ug_package_max": 1500000
}
```

Test Case ID	Description	Endpoint	Request Body / Params	Expected Status	Expected Response & Validation
TC0305.01	Happy path - valid request	{{base_url}}/placements/jobs/1/	{ "title": "Senior Software Engineer", "min_ug_cgpa": 8.0, "ug_package_max	200 OK	Validated

			": 1500000 }		
TC0306.01	Missing required field 'title'	{{base_url}}/placements/jobs/1/	Omit field 'title' from body	422 Unprocessable Entity / 400 Bad Request	Error message referencing 'title' required.
TC0307.01	Missing required field 'min_ug_cgpa'	{{base_url}}/placements/jobs/1/	Omit field 'min_ug_cgpa' from body	422 Unprocessable Entity / 400 Bad Request	Error message referencing 'min_ug_cgpa' required.
TC0308.01	Missing required field 'ug_package_max'	{{base_url}}/placements/jobs/1/	Omit field 'ug_package_max' from body	422 Unprocessable Entity / 400 Bad Request	Error message referencing 'ug_package_max' required.
TC0309.01	Invalid type for 'title'	{{base_url}}/placements/jobs/1/	Set title = 12345	422 / 400	Validation error for type of 'title'.
TC0310.01	Invalid type for 'min_ug_cgpa'	{{base_url}}/placements/jobs/1/	Set min_ug_cgpa = "invalid"	422 / 400	Validation error for type of 'min_ug_cgpa'.
TC0311.01	Invalid type for 'ug_package_max'	{{base_url}}/placements/jobs/1/	Set ug_package_max = "invalid"	422 / 400	Validation error for type of 'ug_package_max'.
TC0312.01	No authentication / missing token	{{base_url}}/placements/jobs/1/	(none)	401 Unauthorized or 403 Forbidden	Rejected unauthenticated requests.
TC0313.01	Role-based access violation	{{base_url}}/placements/jobs/1/	Use role without permission (e.g., Student hitting	403 Forbidden	RBAC blocks access.

			Admin endpoint)		
TC031 4.01	Non-existent ID (404)	{{base_url}}/placemen ts/jobs/1/	Use id=99999999	404 Not Found	Returned 404 without leaking internal info.
TC031 5.01	Injection attempts (SQLi/XSS) in string fields	{{base_url}}/placemen ts/jobs/1/	Use "' OR '1'='1" or "<script>alert(1)< /script>"	400 / 422 / 200 (sanitized)	Inputs are validated, no data leak.

[DELETE] {{base_url}}/placements/jobs/1/

Endpoint name: New Request

Test Case ID	Description	Endpoint	Request Body / Params	Expected Status	Expected Response & Validation
TC0316.01	Happy path - valid request	{{base_url}}/placements/jobs/1/	(none)	200 OK	Validated
TC0317.01	No authentication / missing token	{{base_url}}/placements/jobs/1/	(none)	401 Unauthorized or 403 Forbidden	Rejected unauthenticated requests.
TC0318.01	Role-based access violation	{{base_url}}/placements/jobs/1/	Use role without permission (e.g., Student hitting Admin endpoint)	403 Forbidden	RBAC blocks access.
TC0319.01	Non-existent ID (404)	{{base_url}}/placements/jobs/1/	Use id=99999999	404 Not Found	Returned 404 without leaking internal info.
TC0320.01	Injection attempts (SQLi/XSS) in string fields	{{base_url}}/placements/jobs/1/	Use "' OR '1'='1" or "<script>alert(1)</script>"	400 / 422 / 200 (sanitized)	Inputs are validated, no data leak.

Applications

[POST] {{base_url}}/applications/

Endpoint name: POST Apply for applications (Student)

Request Body Example:

{
  "job": 1,
  "resume": "resume_file.pdf"
}

Test Case ID	Description	Request Body / Params	Expected Status	Expected Response & Validation

TC0321.01	Happy path - valid request	{
		    "job": 1,
		    "resume": "resume_file.pdf"
		}
			201 Created	Validated

TC0322.01	Missing required field 'job'	Omit field 'job' from body	422 Unprocessable Entity / 400 Bad Request	Error message referencing 'job' required.
TC0323.01	Missing required field 'resume'	Omit field 'resume' from body	422 Unprocessable Entity / 400 Bad Request	Error message referencing 'resume' required.
TC0324.01	Invalid type for 'job'	Set job = "invalid"	422 / 400	Validation error for type of 'job'.
TC0325.01	Invalid type for 'resume'	Set resume = 12345	422 / 400	Validation error for type of 'resume'.
TC0326.01	No authentication / missing token	(none)	401 Unauthorized or 403 Forbidden	Rejected unauthenticated requests.
TC0327.01	Role-based access violation	Use role without permission (e.g., Student hitting Admin endpoint)	403 Forbidden	RBAC blocks access.
TC0328.01	Non-existent ID (404)	Use id=99999999	404 Not Found	Returned 404 without leaking internal info.
TC0329.01	Injection attempts (SQLi/XSS) in string fields	Use "' OR '1'='1" or "<script>alert(1)</script>"	400 / 422 / 200 (sanitized)	Inputs are validated, no data leak.

[GET] {{base_url}}/applications/

Endpoint name: GET Applications List (Student)

Test Case ID	Description	Request Body / Params	Expected Status	Expected Response & Validation
TC0330.01	Happy path - valid request	(none)	200 OK	Validated
TC0331.01	No authentication / missing token	(none)	401 Unauthorized or 403 Forbidden	Rejected unauthenticated requests.
TC0332.01	Role-based access violation	Use role without permission (e.g., Student hitting Admin endpoint)	403 Forbidden	RBAC blocks access.
TC0333.01	Non-existent ID (404)	Use id=99999999	404 Not Found	Returned 404 without leaking internal info.
TC0334.01	Injection attempts (SQLi/XSS) in string fields	Use "' OR '1'='1" or "<script>alert(1)</script>"	400 / 422 / 200 (sanitized)	Inputs are validated, no data leak.

[GET]

Endpoint name: GET Applications Details (Student)

Test Case ID	Description	Request Body / Params	Expected Status	Expected Response & Validation
TC0335.01	Happy path - valid request	(none)	200 OK	Validated
TC0336.01	No authentication / missing token	(none)	401 Unauthorized or 403 Forbidden	Rejected unauthenticated requests.
TC0337.01	Role-based access violation	Use role without permission (e.g., Student hitting Admin endpoint)	403 Forbidden	RBAC blocks access.
TC0338.01	Injection attempts (SQLi/XSS) in string fields	Use "' OR '1'='1" or "<script>alert(1)</script>"	400 / 422 / 200 (sanitized)	Inputs are validated, no data leak.

[PATCH] {{base_url}}/applications/1/

Endpoint name: PATCH Applications Status (Admin/Placement Cell)

Request Body Example:

```
{
  "status": "Shortlisted"
}
```

Test Case ID	Description	Endpoint	Request Body / Params	Expected Status	Expected Response & Validation

TC0339.01	Happy path - valid request	{{base_url}}/applications/1/	{
			  "status": "Shortlisted"
			}
				200 OK	Validated

TC0340.01	Missing required field 'status'	{{base_url}}/applications/1/	Omit field 'status' from body	422 Unprocessable Entity / 400 Bad Request	Error message referencing 'status' required.
TC0341.01	Invalid type for 'status'	{{base_url}}/applications/1/	Set status = 12345	422 / 400	Validation error for type of 'status'.
TC0342.01	No authentication / missing token	{{base_url}}/applications/1/	(none)	401 Unauthorized or 403 Forbidden	Rejected unauthenticated requests.
TC0343.01	Role-based access violation	{{base_url}}/applications/1/	Use role without permission (e.g., Student hitting Admin endpoint)	403 Forbidden	RBAC blocks access.
TC0344.01	Non-existent ID (404)	{{base_url}}/applications/1/	Use id=99999999	404 Not Found	Returned 404 without leaking internal info.
TC0345.01	Injection attempts (SQLi/XSS) in string fields	{{base_url}}/applications/1/	Use "' OR '1'='1" or "<script>alert(1)</script>"	400 / 422 / 200 (sanitized)	Inputs are validated, no data leak.

[GET] {{base_url}}/applications/?job=1

Endpoint name: GET Application Detail

Query Params: job=1

Test Case ID	Description	Endpoint	Request Body / Params	Expected Status	Expected Response & Validation
TC0346.01	Happy path - valid request	{{base_url}}/applications/?job=1	(none)	200 OK	Validated
TC0347.01	No authentication / missing token	{{base_url}}/applications/?job=1	(none)	401 Unauthorized or 403 Forbidden	Rejected unauthenticated requests.
TC0348.01	Role-based access violation	{{base_url}}/applications/?job=1	Use role without permission (e.g., Student hitting Admin endpoint)	403 Forbidden	RBAC blocks access.
TC0349.01	Non-existent ID (404)	{{base_url}}/applications/?job=1	Use id=99999999	404 Not Found	Returned 404 without leaking internal info.
TC0350.01	Injection attempts (SQLi/XSS) in string fields	{{base_url}}/applications/?job=1	Use "' OR '1'='1" or "<script>alert(1)</script>"	400 / 422 / 200 (sanitized)	Inputs are validated, no data leak.

Bug Report

This document lists UI bugs encountered during website or application testing. Each entry includes details such as the bug ID, summary, steps to reproduce, expected and actual behavior, severity, and current status.

Bug ID	Summary	Steps to Reproduce	Expected Behavior	Actual Behavior	Severity	Status
UI-001	Button Misalignment	Open Dashboard → Observe the 'Login' button	Button aligned with other nav items	Button slightly shifted downward	Low	Open
UI-002	Text Overflow	View dashboard small screen	Text wraps neatly	Text overflows container	Medium	Open
UI-003	Dashboard not showing current data	Visit dashboard	All current data to be shown	Dummy data appears	High	Open
UI-004	Lagging Side navbar	Click left side navbar	Normal close and open	Icons lagging on click	Medium	Open
UI-005	Incorrect Color Scheme	Switch to dark mode	Consistent dark theme	Some elements are in light theme	Low	Closed
UI-006	Overlapping Elements	Resize window to 1024x768	Layout adjusts properly	Text overlaps images	High	Closed
UI-007	Misaligned Icons	View navigation bar	Icons evenly spaced	One icon shifted left	Low	Closed
UI-008	Password reset problem	Click forgot password	Redirects to different page	Empty page	High	Open
UI-009	Non-Functional	Try scrolling in sidebar	Smooth scroll	Scrollbar freezes	Medium	Open

	Scrollbar				midway		
UI-010	Invisible Placeholder Text	Open form	login	Placeholder visible	Text blends with background	Low	Open
UI-014	Slow Animation	Loding login	after	Smooth transition	Laggy animation	Medium	Open

UI Testing

1. **Test Case Name:** Login with invalid credentials
   Objective: Verify that the system handles incorrect login attempts properly..
   Expected result : System should display an appropriate error message (e.g., *"Invalid username or password"*) and not allow login.
   Actual result: Error message displayed as expected.
   Status: Passed
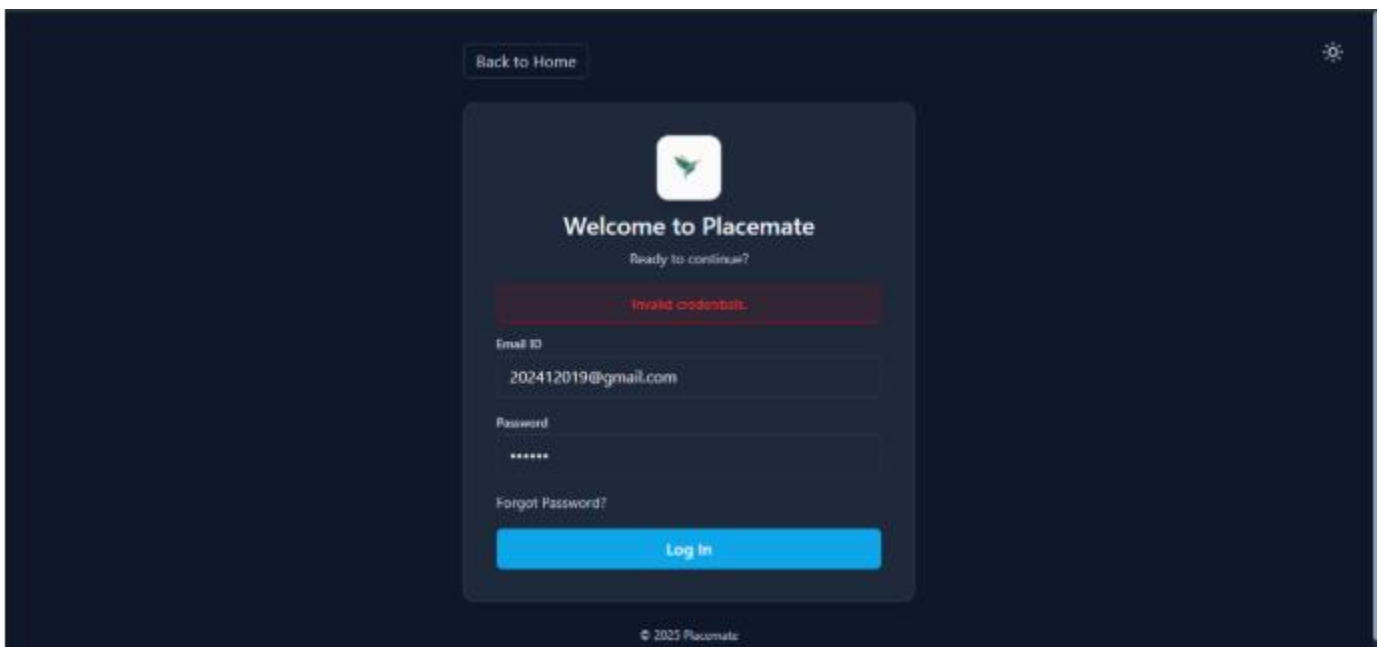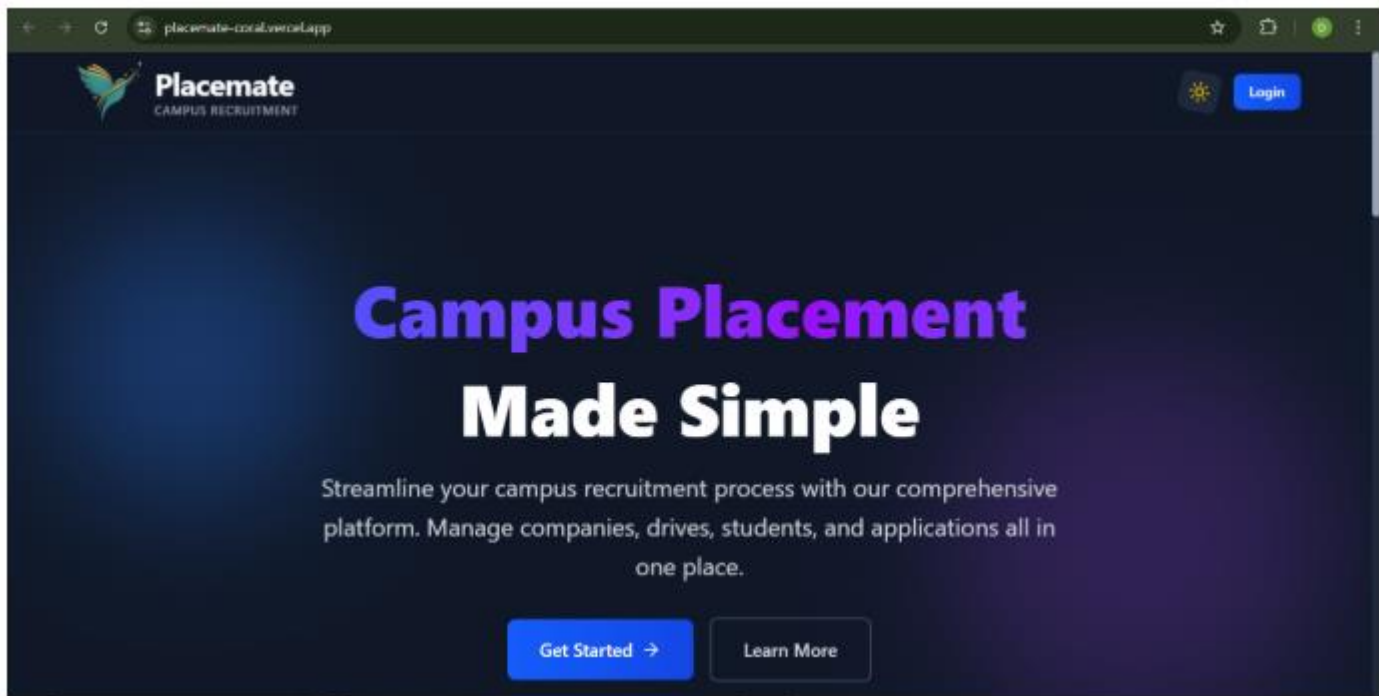
2. Register student

Test Case Name: Register Student

Objective: Verify that after adding a new student, the system redirects to the student list page.

Expected result: After successfully registering a student, the system should redirect to the student list page displaying the newly added student's details.

Actual result: System redirected to the student list page and displayed the newly added student correctly.

Status: Passed

3.Update Student's Placement Status
Objective: Verify that the admin can update a student's placement status successfully.
Expected result: After updating, the student's placement status should reflect the new value in both the student list and detail pages.
Actual result: Placement status updated successfully and reflected correctly across pages.
Status: Passed

4. View Student's details

Objective: Verify that the admin can view detailed information of a selected student.

Expected result: Clicking on "View" should display the complete details of the selected student accurately.

Actual result: Student details displayed correctly upon selecting "View."

Status: Passed

5.Edit student
Objective: Verify that the admin can edit and update a student's information successfully.
Expected result: Changes made to the student's details should be saved and reflected in the student list and details view.
Actual result: Student details updated successfully and reflected accurately in all relevant views.
Status: Passed

6. Filter students

Objective: Verify that the admin can filter students based on specific criteria (e.g., department, placement status, or batch).
Expected result: The student list should update dynamically to show only students matching the applied filter.
Actual result: Filter functionality worked correctly and displayed the relevant student records.
Status: Passed

7. Delete Student

Objective: Verify that the admin can delete a student record and the system updates the list accordingly.

Expected result: Upon confirmation, the selected student should be deleted, and the student list should refresh without that entry.

Actual result: Student deleted successfully, and the list refreshed as expected.

Status: Passed
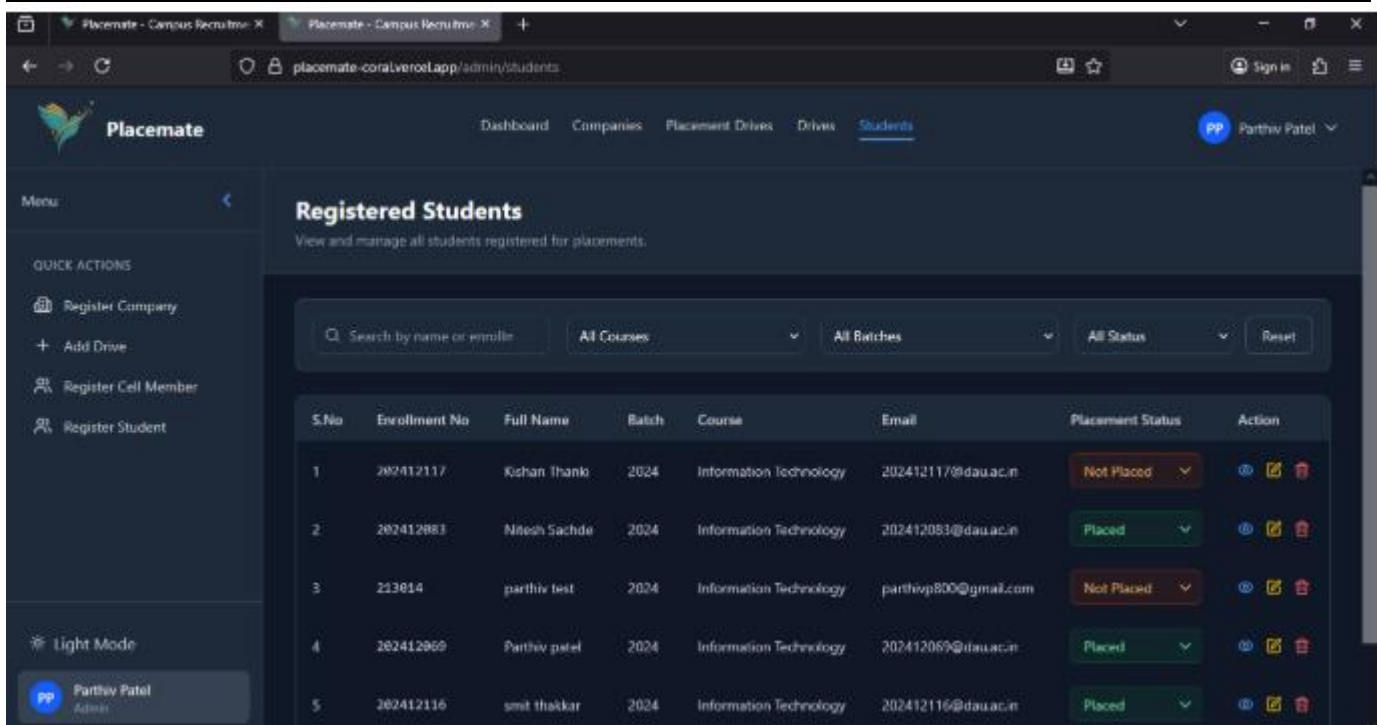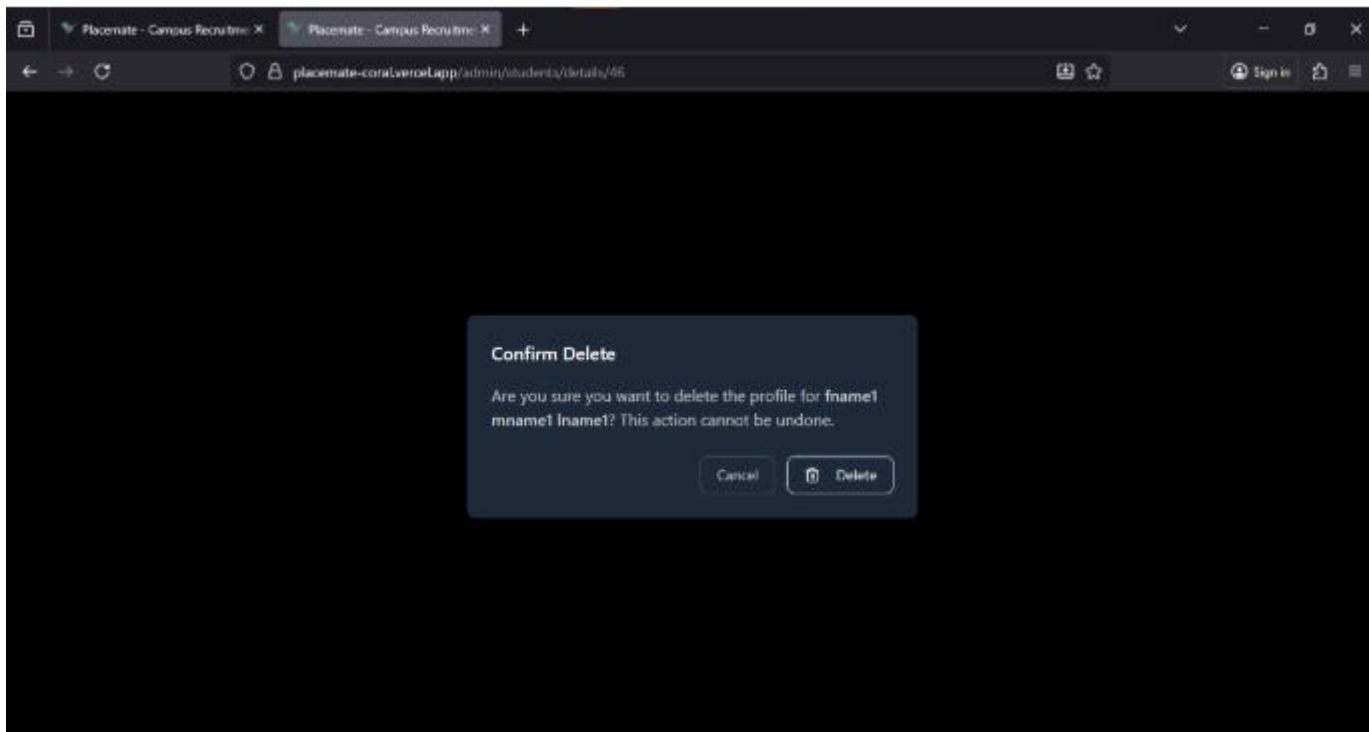
8. Register Company with Wrong Credentials

Objective: Verify that the system handles invalid company registration data properly (wrong URL format, empty mandatory fields).
Expected result: System should display validation errors for incorrect or missing fields and prevent form submission.
Actual result: Validation messages displayed correctly, and submission was prevented until valid data was entered.
Status: Passed

Register New Company
Last updated: November 6, 2025

Company Information

PNG, JPG, or GIF
up to 5MB

Upload Logo

Company Name *
comapny1

Company Website
https://company1.com

Phone Number
2468013579

Founded Year
2005

Email *
comp1@gmail.com

Company Size *
Select Company Size *

Company Description
software development

placemate-coral.vercel.app

Registration failed: Validation failed:
[
  "website_url": [
    "Enter a valid URL."
  ]
]

OK

Placemate

Dashboard   Companies   Placement Drives   Drives   Students

PP   Parthiv Patel ∨

Menu ‹

QUICK ACTIONS

Register Company

+ Add Drive

Register Cell Member

Register Student

Email *

comp1@gmail.com

Company Size *

Select Company Size *

Company Description

software development

⊕ placemate-coral.vercel.app

Please select a company size

OK

Address Information

Address Line

Building, Street, Area

Headquarter City *

Ahmedabad

Light Mode

PP   Parthiv Patel
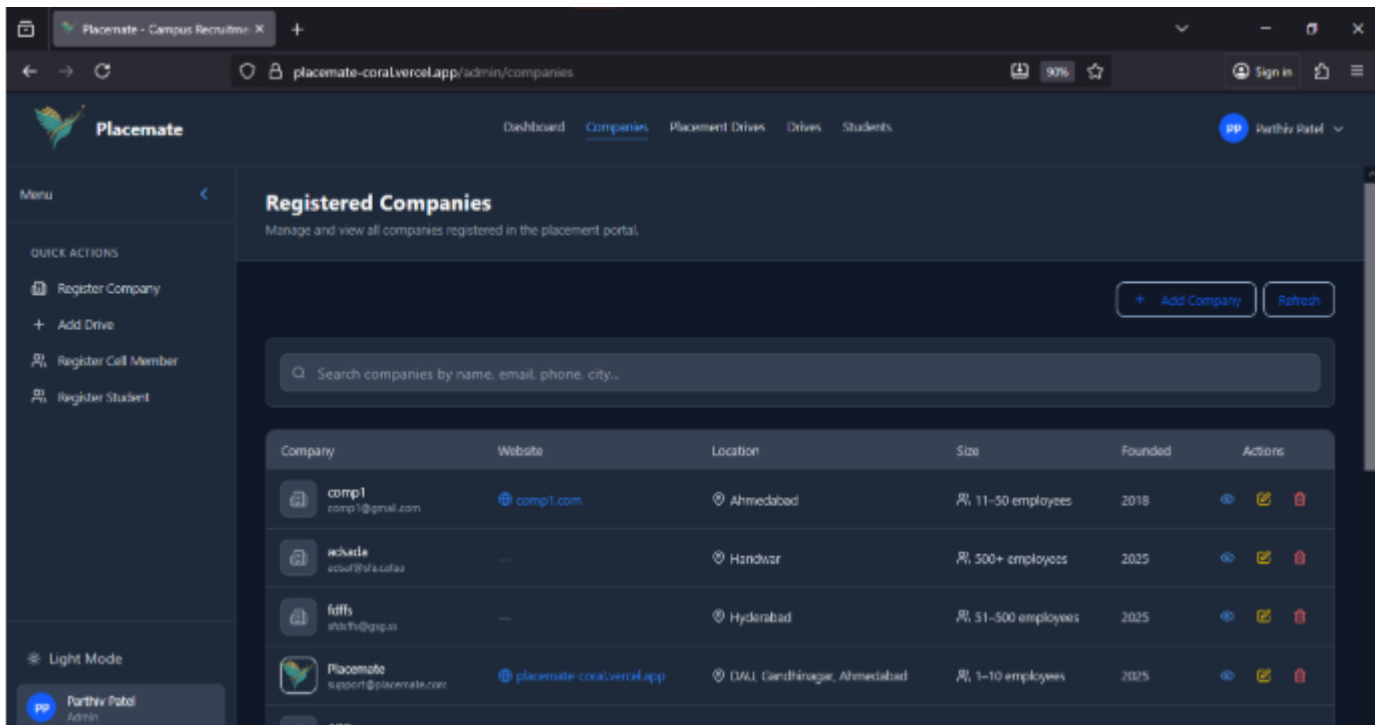
Register Company

9. Register company

Objective: Verify that the admin can successfully register a new company with valid details.

Expected result: Company should be added to the company list and a success message should appear after registration.

Actual result: Company registered successfully and displayed in the company list.

Status: Passed
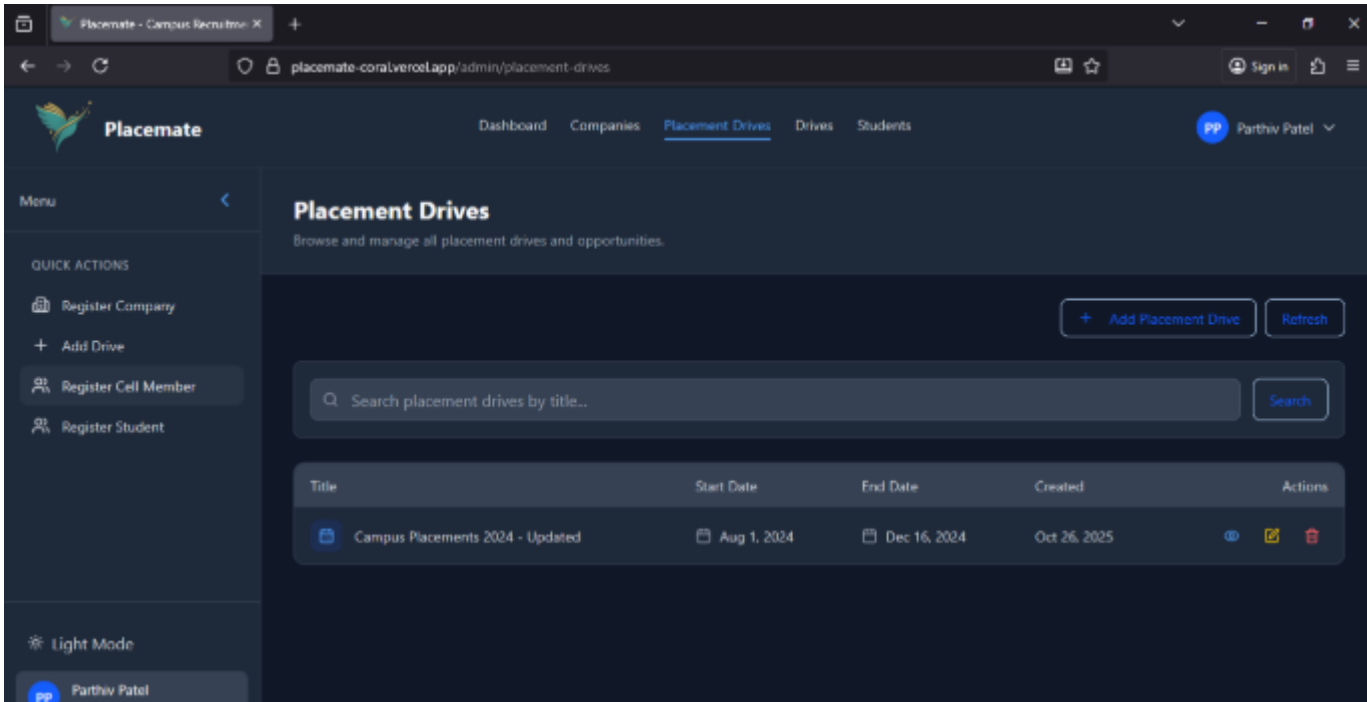
10 .See Drive

Objective: Verify that the admin can view the list of all placement drives.
Expected result: System should display all scheduled placement drives with their respective details.
Actual result: Placement drives displayed correctly with accurate details.
Status: Passed
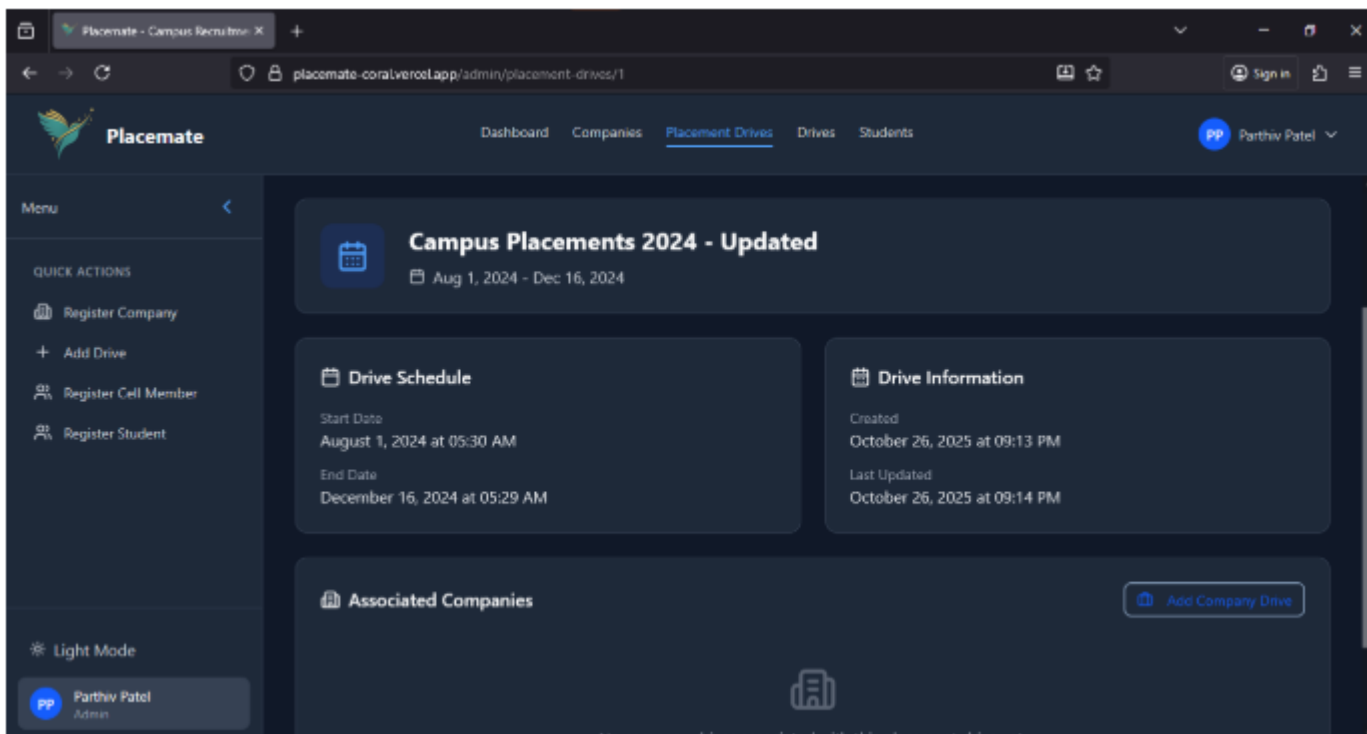
11.Delete Company

Objective: Verify that a confirmation dialogue box appears before deleting a company and deletion occurs only after confirmation.
Expected result: System should prompt a confirmation dialogue; on confirming, the company should be deleted, and the list refreshed.
Actual result: Confirmation dialogue appeared, and company was deleted successfully upon confirmation.
Status: Passed

12. View Placement drives

Objective: Verify that the admin can view detailed information about specific placement drives.

Expected result: On selecting a drive, detailed information should display accurately.

**Actual result:** Placement drive details displayed correctly.

Status: Passed

13.Filter Drive

Objective: Verify that the admin can filter placement drives based on criteria like company name, date, or status.

Expected result: Drive list should update to show only the drives matching the filter criteria.

**Actual result:** Filter function worked as expected and displayed correct results.

Status: Passed
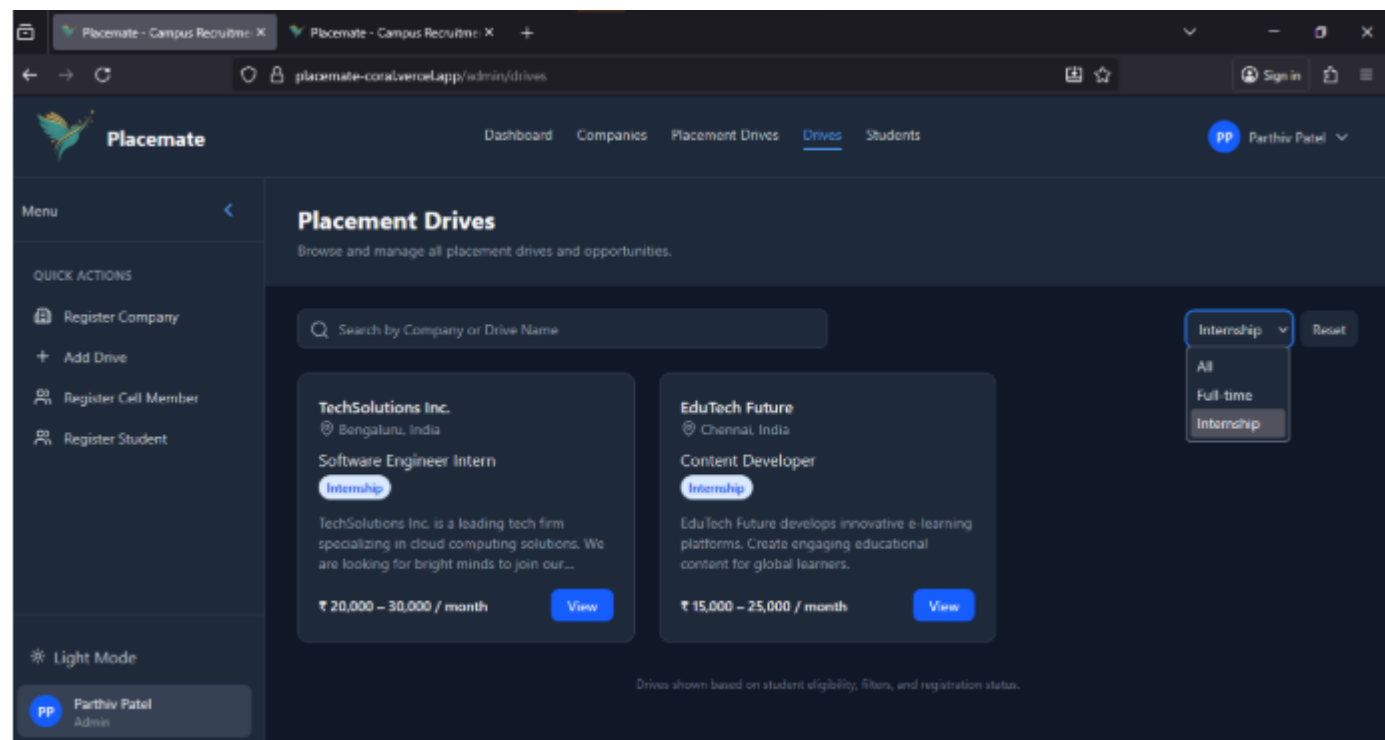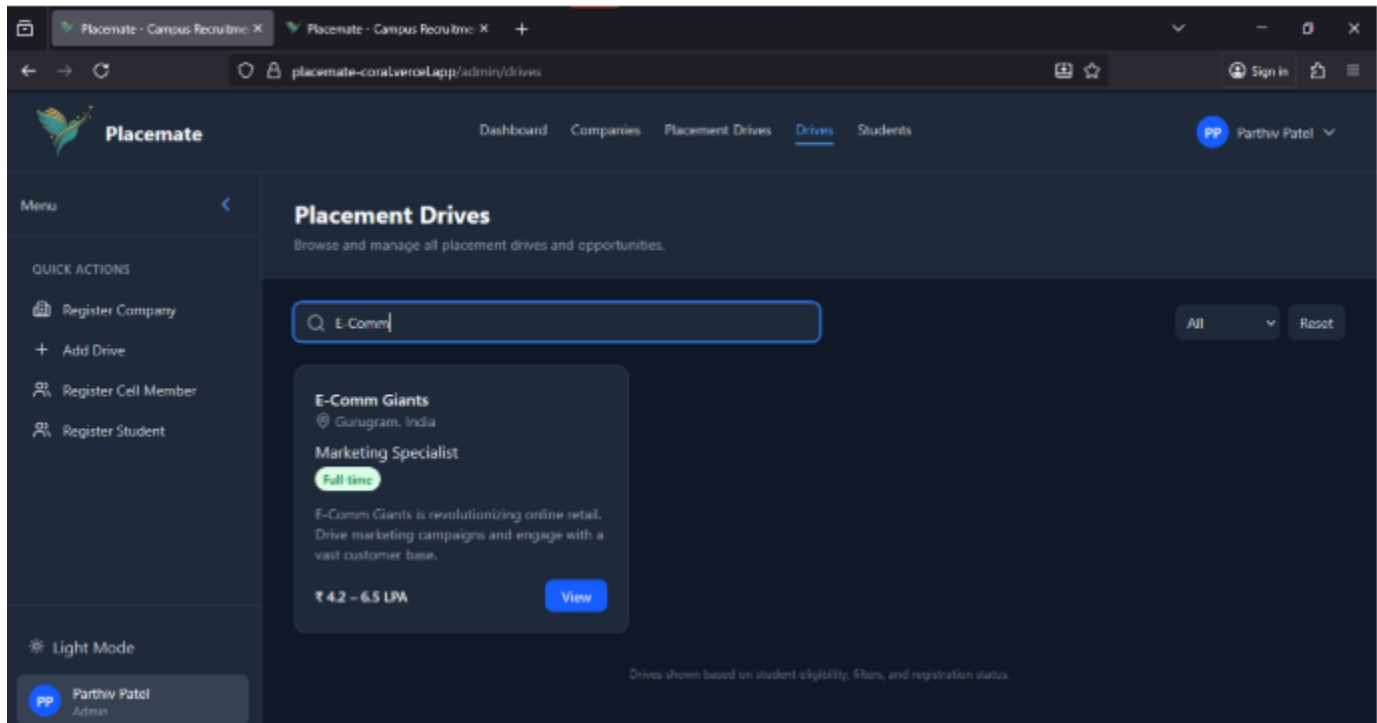
14 Screen mode

Objective: Verify that the admin can toggle between dark and light mode successfully.
Expected result: System should switch themes smoothly without affecting functionality or layout.
Actual result: Dark/light mode toggle worked properly, and UI displayed consistently in both modes.
Status: Passed
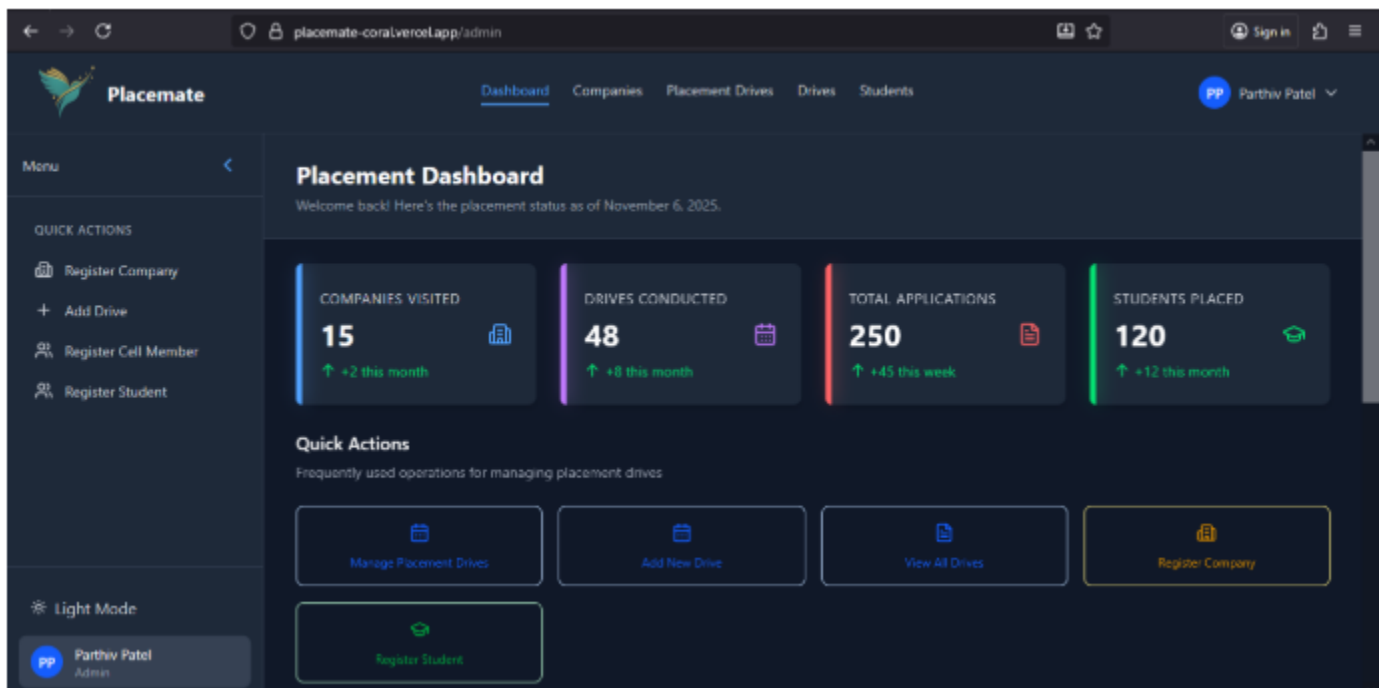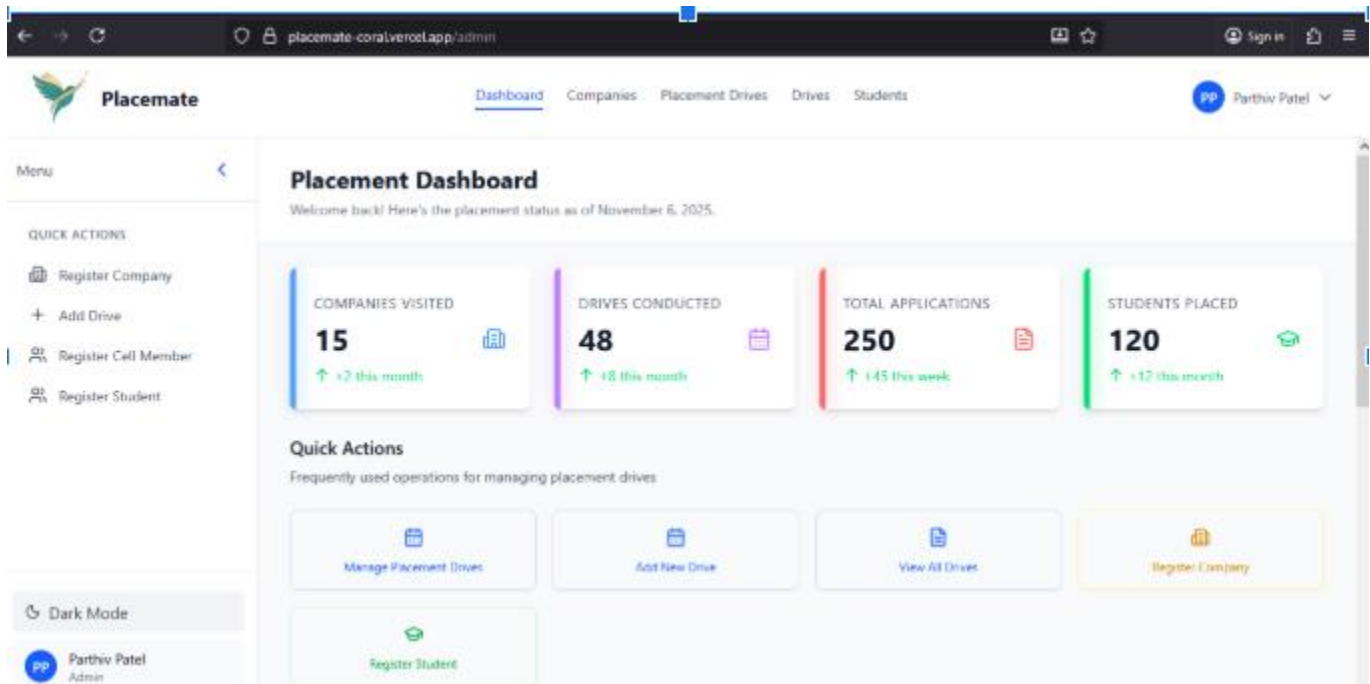
15 Log Out

Objective: Verify that upon logout, the admin is redirected to the website homepage.
Expected result: After clicking logout, the session should end, and the user should be redirected to the homepage.
Actual result: Logout function worked correctly and redirected to the homepage.
Status: Passed