

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	<ul style="list-style-type: none">• pytest: 8.4.2• pluggy: 1.6.0
Plugins	<ul style="list-style-type: none">• 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.

<input checked="" type="checkbox"/> 0 Failed, <input checked="" type="checkbox"/> 27 Passed, <input checked="" type="checkbox"/> 0 Skipped, <input checked="" type="checkbox"/> 0 Expected failures, <input checked="" type="checkbox"/> 0 Unexpected passes, <input checked="" type="checkbox"/> 0 Errors, <input checked="" type="checkbox"/> 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

Report generated on 05-Nov-2025 at 19:03:27 by [pytest-html](#) v4.1.1

Environment

Python	3.13.5
Platform	macOS-26.0.1-arm64-arm-64bit-Mach-O
Packages	<ul style="list-style-type: none">pytest: 8.4.2pluggy: 1.6.0
Plugins	<ul style="list-style-type: none">Faker: 12.0.1mock: 3.15.1allure-pytest: 2.15.0html: 4.1.1metadata: 3.1.1django: 4.11.1cov: 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.

<input checked="" type="checkbox"/> 0 Failed, <input checked="" type="checkbox"/> 104 Passed, <input type="checkbox"/> 0 Skipped, <input type="checkbox"/> 0 Expected failures, <input type="checkbox"/> 0 Unexpected passes, <input type="checkbox"/> 0 Errors, <input type="checkbox"/> 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

Report generated on 05-Nov-2025 at 19:21:29 by [pytest-html](#) v4.1.1

Environment

Python	3.13.5
Platform	macOS-26.0.1-arm64-arm-64bit-Mach-O
Packages	<ul style="list-style-type: none"> pytest: 8.4.2 pluggy: 1.6.0
Plugins	<ul style="list-style-type: none"> 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.

<input checked="" type="checkbox"/> 0 Failed, <input checked="" type="checkbox"/> 49 Passed, <input checked="" type="checkbox"/> 0 Skipped, <input checked="" type="checkbox"/> 0 Expected failures, <input checked="" type="checkbox"/> 0 Unexpected passes, <input checked="" type="checkbox"/> 0 Errors, <input checked="" type="checkbox"/> 0 Reruns		Show all details / Hide all details	
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	<ul style="list-style-type: none">• pytest: 8.4.2• pluggy: 1.6.0
Plugins	<ul style="list-style-type: none">• 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.
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[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

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

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
TC0029.0 1	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
TC0030.0 1	Missing required field 'email'	Omit field 'email' from body	422 Unprocessable Entity / 400 Bad Request	Error message referencing 'email' required.
TC0031.0 1	Missing required field 'phone_number'	Omit field 'phone_number' from body	422 Unprocessable Entity / 400 Bad Request	Error message referencing 'phone_number' required.
TC0032.0 1	Missing required field 'first_name'	Omit field 'first_name' from body	422 Unprocessable Entity / 400 Bad Request	Error message referencing 'first_name' required.
TC0033.0 1	Missing required field 'last_name'	Omit field 'last_name' from body	422 Unprocessable Entity / 400	Error message referencing 'last_name'

			Bad Request	required.
TC0034.0 1	Missing required field 'enrollment_number'	Omit field 'enrollment_number' from body	422 Unprocessable Entity / 400 Bad Request	Error message referencing 'enrollment_number' required.
TC0035.0 1	Missing required field 'program'	Omit field 'program' from body	422 Unprocessable Entity / 400 Bad Request	Error message referencing 'program' required.
TC0036.0 1	Invalid type for 'email'	Set email = 12345	422 / 400	Validation error for type of 'email'.
TC0037.0 1	Invalid type for 'phone_number'	Set phone_number = 12345	422 / 400	error for type of 'phone_number'.
TC0038.0 1	Invalid type for 'first_name'	Set first_name = 12345	422 / 400	error for type of 'first_name'.
TC0039.0 1	Invalid type for 'last_name'	Set last_name = 12345	422 / 400	error for type of 'last_name'.
TC0040.0 1	Invalid type for 'enrollment_number'	Set enrollment_number = 12345	422 / 400	error for type of 'enrollment_number'.
TC0041.0 1	Invalid type for 'program'	Set program = "invalid"	422 / 400	error for type of 'program'.
TC0042.0 1	No authentication / missing token	(none)	401 Unauthorized or 403 Forbidden	Rejected unauthenticated requests.
TC0043.0 1	Role-based access violation	Use role without permission (e.g., Student hitting Admin endpoint)	403 Forbidden	RBAC blocks access.
TC0044.0 1	Non-existent ID (404)	Use id=99999999	404 Not Found	Returned 404 without leaking internal info.
TC0045.0 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 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
TC0051.0 1	Happy path - valid request	{ "current_cgpa": "8.5", "tenth_percentage": "85.5", "address_line1": "123 College Street" }	200 OK	Validated
TC0052.0 1	Missing required field 'current_cgpa'	Omit field 'current_cgpa' from body	422 Unprocessable Entity / 400 Bad Request	Error message referencing 'current_cgpa' required.
TC0053.0 1	Missing required field 'tenth_percentage'	Omit field 'tenth_percentage' from body	422 Unprocessable Entity / 400 Bad Request	Error message referencing 'tenth_percentage' required.
TC0054.0 1	Missing required field 'address_line1'	Omit field 'address_line1' from body	422 Unprocessable Entity / 400 Bad Request	Error message referencing 'address_line1' required.
TC0055.0 1	Invalid type for 'current_cgpa'	Set current_cgpa = 12345	422 / 400	error for type of 'current_cgpa'.
TC0056.0 1	Invalid type for 'tenth_percentage'	Set tenth_percentage = 12345	422 / 400	error for type of 'tenth_percentage'.
TC0057.0 1	Invalid type for 'address_line1'	Set address_line1 = 12345	422 / 400	error for type of 'address_line1'.
TC0058.0 1	No authentication / missing token	(none)	401 Unauthorized	Reject unauthenticated

			or 403 Forbidden	requests.
TC0059.0 1	Role-based access violation	Use role without permission (e.g., Student hitting Admin endpoint)	403 Forbidden	RBAC blocks access.
TC0060.0 1	Non-existent ID (404)	Use id=99999999	404 Not Found	Returned 404 without leaking internal info.
TC0061.0 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 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
TC006 7.01	Happy path - valid request	{{base_url}}/students/profiles/27/	GET	(none)	200 OK	Validated
TC006 8.01	No authentication / missing token	{{base_url}}/students/profiles/27/	GET	(none)	401 Unauthorized or 403 Forbidden	Rejected unauthenticated requests.
TC006 9.01	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.
TC007 0.01	Non-existent ID (404)	{{base_url}}/students/profiles/27/	GET	Use id=99999999	404 Not Found	Returned 404 without leaking internal info.
TC007 1.01	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
TC007 2.01	Happy path - valid request	{{base_url}}/students/profiles/27/	PATCH	{ "current_cgpa": "9.0", "enrollment_number": "UPDATED123" }	200 OK	Validated
TC007 3.01	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.
TC007 4.01	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.
TC007 5.01	Invalid type for 'current_cgpa'	{{base_url}}/students/profiles/27/	PATCH	Set current_cgpa = 12345	422 / 400	error for type of 'current_cgpa'.
TC007 6.01	Invalid type for 'enrollment_number'	{{base_url}}/students/profiles/27/	PATCH	Set enrollment_number = 12345	422 / 400	error for type of 'enrollment_number'.

TC007 7.01	No authentication / missing token	<code>{{base_url}}/students/profiles/27/</code>	PATCH	(none)	401 Unauthorized or 403 Forbidden	Reject unauthenticated requests.
TC007 8.01	Role-based access violation	<code>{{base_url}}/students/profiles/27/</code>	PATCH	Use role without permission (e.g., Student hitting Admin endpoint)	403 Forbidden	RBAC blocks access.
TC007 9.01	Non-existent ID (404)	<code>{{base_url}}/students/profiles/27/</code>	PATCH	Use id=99999999	404 Not Found	Returned 404 without leaking internal info.
TC008 0.01	Injection attempts (SQLi/XSS) in string fields	<code>{{base_url}}/students/profiles/27/</code>	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
TC008 1.01	Happy path - valid request	{{base_url}}/students/profiles/27/mark_as_placed/	PATCH	(none)	200 OK	Validated
TC008 2.01	No authentication / missing token	{{base_url}}/students/profiles/27/mark_as_placed/	PATCH	(none)	401 Unauthorized or 403 Forbidden	Rejected unauthenticated requests.
TC008 3.01	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.
TC008 4.01	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.
TC008 5.01	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
TC0086.0 1	Happy path - valid request	{ "email": "new.admin@placemate.com" ", "phone_number": "9998887777", "first_name": "New", "last_name": "Admin", "roles": [1] }	201 Created	Validated
TC0087.0 1	Missing required field 'email'	Omit field 'email' from body	422 Unprocessable Entity / 400 Bad Request	Error message referencing 'email' required.
TC0088.0 1	Missing required field 'phone_number'	Omit field 'phone_number' from body	422 Unprocessable Entity / 400 Bad Request	Error message referencing 'phone_number' required.
TC0089.0 1	Missing required field 'first_name'	Omit field 'first_name' from body	422 Unprocessable Entity / 400 Bad Request	Error message referencing 'first_name' required.
TC0090.0 1	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 Unprocessable 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_number'	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 unauthenticated 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
TC012 0.01	Happy path - valid request	{{base_url}}/users/manage/2/	GET	(none)	200 OK	Validated
TC012 1.01	No authentication / missing token	{{base_url}}/users/manage/2/	GET	(none)	401 Unauthorized or 403 Forbidden	Rejected unauthenticated requests.
TC012 2.01	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.
TC012 3.01	Non-existent ID (404)	{{base_url}}/users/manage/2/	GET	Use id=99999999	404 Not Found	Returned 404 without leaking internal info.
TC012 4.01	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
TC012 5.01	Happy path - valid request	{{base_url}}/users/manage/1/	PATCH	{ "first_name": "Admin", "last_name": "Updated" }	200 OK	Validated
TC012 6.01	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.
TC012 7.01	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.
TC012 8.01	Invalid type for 'first_name'	{{base_url}}/users/manage/1/	PATCH	Set first_name = 12345	422 / 400	Validation error for type of 'first_name'.
TC012 9.01	Invalid type for 'last_name'	{{base_url}}/users/manage/1/	PATCH	Set last_name = 12345	422 / 400	Validation error for type of 'last_name'.

TC013 0.01	No authentication / missing token	<code>{{base_url}}/users/manage/1/</code>	PATC H	(none)	401 Unauthorized or 403 Forbidden	Rejected unauthenticated requests.
TC013 1.01	Role-based access violation	<code>{{base_url}}/users/manage/1/</code>	PATC H	Use role without permission (e.g., Student hitting Admin endpoint)	403 Forbidden	RBAC blocks access.
TC013 2.01	Non-existent ID (404)	<code>{{base_url}}/users/manage/1/</code>	PATC H	Use id=99999999	404 Not Found	Returned 404 without leaking internal info.
TC013 3.01	Injection attempts (SQLi/XSS) in string fields	<code>{{base_url}}/users/manage/1/</code>	PATC H	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/manage/29/roles/	PATCH	{ "roles": [3] }	200 OK	Validated
TC013 5.01	Missing required field 'roles'	{{base_url}}/users/manage/29/roles/	PATCH	Omit field 'roles' from body	422 Unprocessable Entity / 400 Bad Request	Error message referencing 'roles' required.
TC013 6.01	Invalid type for 'roles'	{{base_url}}/users/manage/29/roles/	PATCH	Set roles = 12345	422 / 400	Validation error for type of 'roles'.
TC013 7.01	No authentication / missing token	{{base_url}}/users/manage/29/roles/	PATCH	(none)	401 Unauthorized or 403 Forbidden	Rejected unauthenticated requests.
TC013 8.01	Role-based access violation	{{base_url}}/users/manage/29/roles/	PATCH	Use role without permission (e.g., Student hitting Admin endpoint)	403 Forbidden	RBAC blocks access.
TC013 9.01	Non-existent ID (404)	{{base_url}}/users/manage/29/roles/	PATCH	Use id=99999999	404 Not Found	Returned 404 without leaking internal

						info.
TC014 0.01	Injection attempts (SQLi/XSS) in string fields	<code>{{base_url}}/users/manage/29/roles/</code>	PATC H	Use "" OR '1'='1" or "<script>alert(1)</script>"	400 / 422 / 200 (sanitize d)	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/	PATCH	{ "is_active": false }	200 OK	Validated
TC014 2.01	Missing required field 'is_active'	{{base_url}}/users/manage/{{user_id}}/activation/	PATCH	Omit field 'is_active' from body	422 Unprocessable Entity / 400 Bad Request	Error message referencing 'is_active' required.
TC014 3.01	Invalid type for 'is_active'	{{base_url}}/users/manage/{{user_id}}/activation/	PATCH	Set is_active = "invalid"	422 / 400	Validation error for type of 'is_active' .
TC014 4.01	No authentication / missing token	{{base_url}}/users/manage/{{user_id}}/activation/	PATCH	(none)	401 Unauthorized or 403 Forbidden	Rejected unauthenticated requests.
TC014 5.01	Role-based access violation	{{base_url}}/users/manage/{{user_id}}/activation/	PATCH	Use role without permission (e.g., Student hitting Admin endpoint)	403 Forbidden	RBAC blocks access.

TC014 6.01	Non-existent ID (404)	<code>{{base_url}}/users/manage/{{user_id}}/activation/</code>	PAT CH	Use id=99999999	404 Not Found	Returned 404 without leaking internal info.
TC014 7.01	Injection attempts (SQLi/XSS) in string fields	<code>{{base_url}}/users/manage/{{user_id}}/activation/</code>	PAT CH	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
TC014 8.01	Happy path - valid request	{{base_url}}/users/manage/?role_id=3	GET	(none)	200 OK	Validated
TC014 9.01	No authentication / missing token	{{base_url}}/users/manage/?role_id=3	GET	(none)	401 Unauthorized or 403 Forbidden	Rejected unauthenticated requests.
TC015 0.01	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.
TC015 1.01	Non-existent ID (404)	{{base_url}}/users/manage/?role_id=3	GET	Use id=99999999	404 Not Found	Returned 404 without leaking internal info.
TC015 2.01	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
TC015 3.01	Happy path - valid request	{{base_url}}users/manage/?is_active=false	GET	(none)	200 OK	Validated
TC015 4.01	No authentication / missing token	{{base_url}}users/manage/?is_active=false	GET	(none)	401 Unauthorized or 403 Forbidden	Rejected unauthenticated requests.
TC015 5.01	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.
TC015 6.01	Non-existent ID (404)	{{base_url}}users/manage/?is_active=false	GET	Use id=99999999	404 Not Found	Returned 404 without leaking internal info.
TC015 7.01	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
TC015 8.01	Happy path - valid request	{{base_url}}/core/lookup/?type=countries	GET	(none)	200 OK	Validated
TC015 9.01	No authentication / missing token	{{base_url}}/core/lookup/?type=countries	GET	(none)	401 Unauthorized or 403 Forbidden	Rejected unauthenticated requests.
TC016 0.01	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.
TC016 1.01	Non-existent ID (404)	{{base_url}}/core/lookup/?type=countries	GET	Use id=99999999	404 Not Found	Returned 404 without leaking internal info.
TC016 2.01	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

	'address'				/ 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'	{{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 authentication / missing token	{{base_url}}/companies/	POST	(none)	401 Unauthorized or 403 Forbidden	Rejected unauthenticated 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}}/companies/3/	GET	(none)	200 OK	Validated
TC0182 .01	No authentication / missing token	{{base_url}}/companies/3/	GET	(none)	401 Unauthorized or 403 Forbidden	Rejected unauthenticated requests.
TC0183 .01	Role-based access violation	{{base_url}}/companies/3/	GET	Use role without permission (e.g., Student hitting Admin endpoint)	403 Forbidden	RBAC blocks access.
TC0184 .01	Non-existent ID (404)	{{base_url}}/companies/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}}/companies/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	<code>{{base_url}}/companies/1/</code>	PATC H	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 referencing message 'token' required.
TC0202.01	Missing required field 'password'	Omit field 'password' from body	422 Unprocessable Entity / 400 Bad Request	Error referencing message '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
TC022 5.01	Happy path - valid request	{{base_url}}/placements/placement-drives/1/	GET	(none)	200 OK	Validated
TC022 6.01	No authentication / missing token	{{base_url}}/placements/placement-drives/1/	GET	(none)	401 Unauthorized or 403 Forbidden	Rejected unauthenticated requests.
TC022 7.01	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.
TC022 8.01	Non-existent ID (404)	{{base_url}}/placements/placement-drives/1/	GET	Use id=99999999	404 Not Found	Returned 404 without leaking internal info.
TC022 9.01	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 Unprocessable 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 authentication / missing token	{{base_url}}/placements/placement-drives/1/	(none)	401 Unauthorized or 403 Forbidden	Rejected unauthenticated 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	<code>{{base_url}}/placements/placement-drives/1/</code>	Use "" OR '1'='1" or " <code><script>alert(1)</script></code> "	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

[POST] {{base_url}}/placements/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"}, {"Remote"}],  
  "locations": ["Bangalore", "Hyderabad", "Remote"]  
}
```

Test Case ID	Description	Request Body / Params	Expected Status	Expected Response & Validation
TC0242.0 1	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"}, {"Remote"}], "locations": ["Bangalore", "Hyderabad", "Remote"] }	201 Created	Validated
TC0243.0 1	Missing required field 'drive'	Omit field 'drive' from body	422 Unprocessable Entity /	Error message referencing 'drive' required.

			400 Bad Request	
TC0244.0 1	Missing required field 'company'	Omit field 'company' from body	422 Unprocessable Entity / 400 Bad Request	Error message referencing 'company' required.
TC0245.0 1	Missing required field 'drive_type'	Omit field 'drive_type' from body	422 Unprocessable Entity / 400 Bad Request	Error message referencing 'drive_type' required.
TC0246.0 1	Missing required field 'job_mode'	Omit field 'job_mode' from body	422 Unprocessable Entity / 400 Bad Request	Error message referencing 'job_mode' required.
TC0247.0 1	Missing required field 'application_deadline'	Omit field 'application_deadline' from body	422 Unprocessable Entity / 400 Bad Request	Error message referencing 'application_deadline' required.
TC0248.0 1	Missing required field 'status'	Omit field 'status' from body	422 Unprocessable Entity / 400 Bad Request	Error message referencing 'status' required.
TC0249.0 1	Missing required field 'rounds'	Omit field 'rounds' from body	422 Unprocessable Entity / 400 Bad Request	Error message referencing 'rounds' required.
TC0250.0 1	Missing required field 'locations'	Omit field 'locations' from body	422 Unprocessable Entity / 400 Bad Request	Error message referencing 'locations' required.
TC0251.0 1	Invalid type for 'drive'	Set drive = "invalid"	422 / 400	Validation error for type of 'drive'.
TC0252.0 1	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_deadline'	Set application_deadline = 12345	422 / 400	Validation error for type of 'application_deadline'.
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 Unauthorized 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)</script>"	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-	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
TC027 3.01	Happy path - valid request	{{base_url}}/placements/company-drives/1/	{ "status": "Closed", "application_deadline": "2024-09-30T23:59:59Z" }	200 OK	Validated
TC027 4.01	Missing required field 'status'	{{base_url}}/placements/company-drives/1/	Omit 'status' field from body	422 Unprocessable Entity / 400 Bad Request	Error message referencing 'status' required.
TC027 5.01	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.
TC027 6.01	Invalid type for 'status'	{{base_url}}/placements/company-drives/1/	Set status = 12345	422 / 400	Validation error for type of 'status'.
TC027 7.01	Invalid type for 'application_deadline'	{{base_url}}/placements/company-drives/1/	Set application_deadline = 12345	422 / 400	Validation error for type of 'application_deadline'.

TC027 8.01	No authentication / missing token	<code>{{base_url}}/placements/company-drives/1/</code>	(none)	401 Unauthorized or 403 Forbidden	Rejected unauthenticated requests.
TC027 9.01	Role-based access violation	<code>{{base_url}}/placements/company-drives/1/</code>	Use role without permission (e.g., Student hitting Admin endpoint)	403 Forbidden	RBAC blocks access.
TC028 0.01	Non-existent ID (404)	<code>{{base_url}}/placements/company-drives/1/</code>	Use <code>id=99999999</code>	404 Not Found	Returned 404 without leaking internal info.
TC028 1.01	Injection attempts (SQLi/XSS) in string fields	<code>{{base_url}}/placements/company-drives/1/</code>	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
TC028 2.01	Happy path - valid request	{{base_url}}/placements/company-drives/1/	DELETE	(none)	200 OK	Validated
TC028 3.01	No authentication / missing token	{{base_url}}/placements/company-drives/1/	DELETE	(none)	401 Unauthorized or 403 Forbidden	Rejected unauthenticated requests.
TC028 4.01	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.
TC028 5.01	Non-existent ID (404)	{{base_url}}/placements/company-drives/1/	DELETE	Use id=99999999	404 Not Found	Returned 404 without leaking internal info.
TC028 6.01	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": 1500000 }	200 OK	Validated

			": 1500000 }		
TC030 6.01	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.
TC030 7.01	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.
TC030 8.01	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.
TC030 9.01	Invalid type for 'title'	{{base_url}}/placements/jobs/1/	Set title = 12345	422 / 400	Validation error for type of 'title'.
TC031 0.01	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'.
TC031 1.01	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'.
TC031 2.01	No authentication / missing token	{{base_url}}/placements/jobs/1/	(none)	401 Unauthorized or 403 Forbidden	Rejected unauthenticated requests.
TC031 3.01	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)	<code>{{base_url}}/placements/jobs/1/</code>	Use <code>id=99999999</code>	404 Not Found	Returned 404 without leaking internal info.
TC031 5.01	Injection attempts (SQLi/XSS) in string fields	<code>{{base_url}}/placements/jobs/1/</code>	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 shifted downward	Low	Open
UI-002	Text Overflow	View dashboard on 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

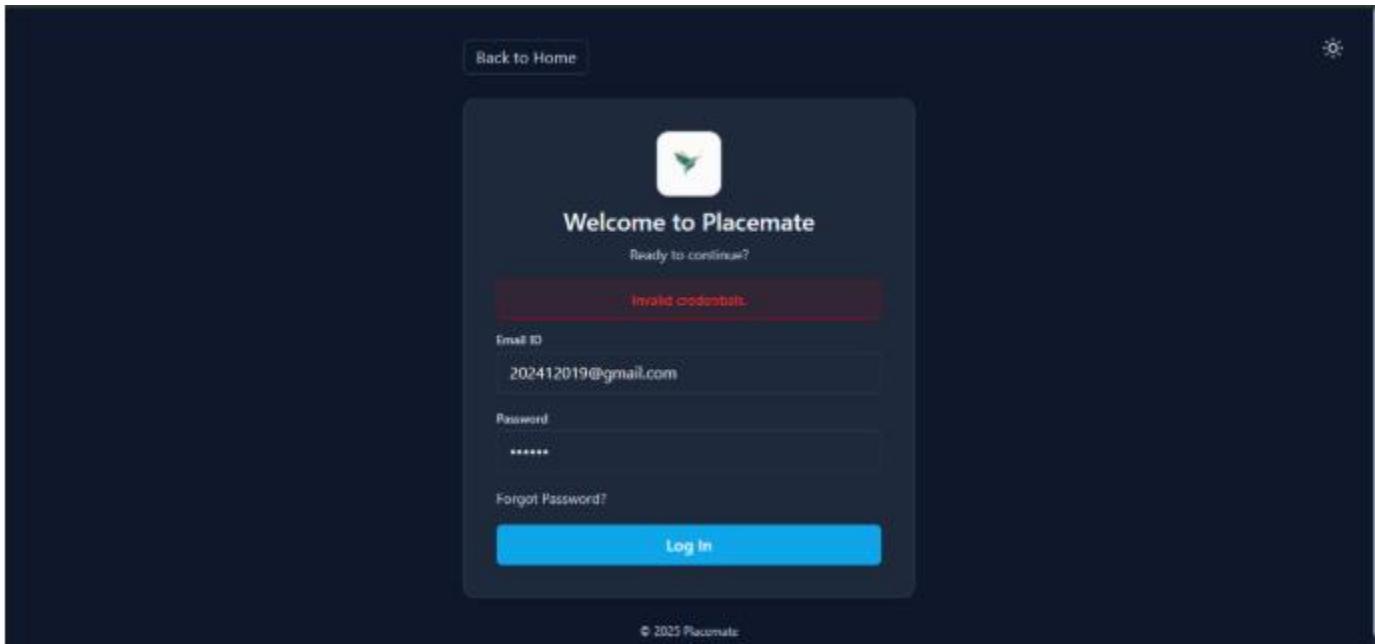
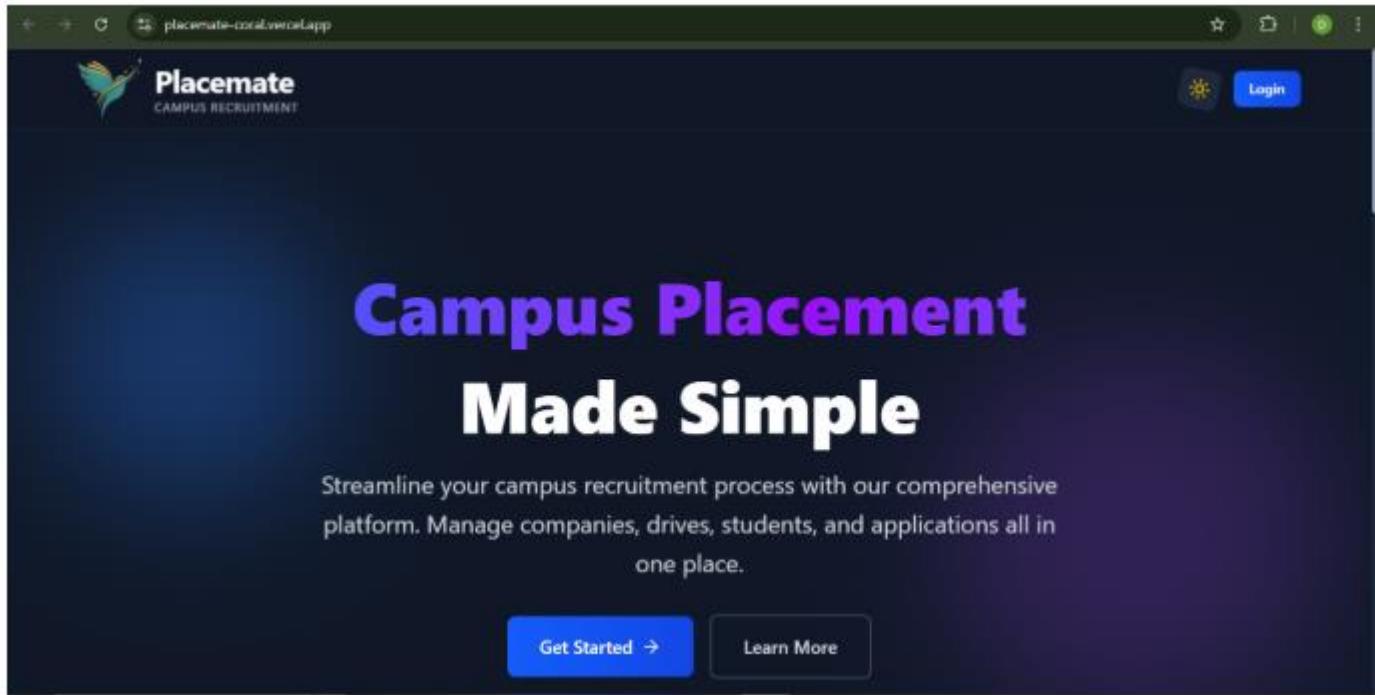
1. **Test Case Name:** Login with invalid credentials

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

The screenshot shows the 'Placemate' admin dashboard with the 'Students' tab selected. On the left, there's a sidebar with 'QUICK ACTIONS' including 'Register Company', 'Add Drive', 'Register Cell Member', and 'Register Student'. A 'Light Mode' toggle and a user profile for 'Parthiv Patel Admin' are also present. The main content area is titled 'Personal Information' and contains fields for First Name ('fname1'), Middle Name ('mname1'), and Last Name ('lname1'). Below this is the 'Contact Information' section with Email ('student1@test.com') and Phone Number ('1357924680'). The 'Academic Information' section includes Enrollment Number ('202412150'), Joining Year ('2024'), and Program ('M.Sc. IT - M.Sc.'). A large blue 'Register Student' button is at the bottom right of the form.

The screenshot shows the 'Placemate' admin dashboard with the 'Students' tab selected. The left sidebar has the same 'QUICK ACTIONS' and user info as the previous screen. The main area is titled 'Registered Students' with a sub-instruction 'View and manage all students registered for placements.' Below is a search bar and filters for 'Search by name or enrol.', 'All Courses', 'All Batches', 'All Status', and a 'Reset' button. A table lists four registered students with columns: S.No, Enrollment No, Full Name, Batch, Course, Email, Placement Status, and Action. The first student (Enrollment No 202412150) has 'Not Placed' status. The second (202412117) and third (202412883) have 'Not Placed' status with green 'Placed' buttons. The fourth student (213614) has 'Not Placed' status with a red 'Not Placed' button. Each row has a small edit icon in the Action column.

S.No	Enrollment No	Full Name	Batch	Course	Email	Placement Status	Action
1	202412150	fname1 mname1 lname1	2024	Information Technology	student1@test.com	Not Placed	
2	202412117	Kehan Thanki	2024	Information Technology	202412117@daaac.in	Not Placed	
3	202412883	Nitesh Sachde	2024	Information Technology	202412083@daaac.in	Placed	
4	213614	parthiv test	2024	Information Technology	parthivp800@gmail.com	Not Placed	

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

The screenshot shows the Placemate admin interface with the 'Students' tab selected. On the left, there's a sidebar with 'QUICK ACTIONS' including 'Register Company', 'Add Drive', 'Register Cell Member', and 'Register Student'. Below that are 'Light Mode' and the user info 'Parthiv Patel Admin'. The main area is titled 'Registered Students' with a subtitle 'View and manage all students registered for placements.' It features a search bar and filters for 'All Courses', 'All Batches', and 'All Status'. A table lists four students with columns for S.No, Enrollment No, Full Name, Batch, Course, Email, Placement Status (dropdown), and Action (three icons). The first student's placement status dropdown is open, showing 'Not Placed' (selected), 'Placed', and 'Not Placed'.

S.No	Enrollment No	Full Name	Batch	Course	Email	Placement Status	Action
1	202412158	fname1 mname1 lname1	2024	Information Technology	student1@test.com	Not Placed	
2	202412117	Kishan Thakki	2024	Information Technology	202412117@du.ac.in	Placed	
3	202412083	Nitesh Sachde	2024	Information Technology	202412083@du.ac.in	Placed	
4	213014	parthiv test	2024	Information Technology	parthivp800@gmail.com	Not Placed	

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

The screenshot shows the Placemate - Campus Recruitment application interface. The top navigation bar includes links for Dashboard, Companies, Placement Drives, Drives, and Students. A user profile for Parthiv Patel is visible on the right. The main content area is titled "Student Details" and shows the last update date as November 6, 2025. It displays a circular profile picture with initials "FL" and the student's name "fname1 mname1 lname1". Below this, there are two sections: "Personal Information" and "Academic Information". The "Personal Information" section contains fields for Full Name (fname1 mname1 lname1), Email (student1@test.com), Phone Number (1357904680), Date of Birth (N/A), Gender (N/A), and Address (N/A). The "Academic Information" section contains fields for Enrollment Number (202412150), Program (Information Technology), and Joining Year (2024). Action buttons for Back to List, Edit Details, and Delete are located at the top right of the "Personal Information" section. A sidebar on the left provides quick actions: Register Company, Add Drive, Register Cell Member, and Register Student. A "Light Mode" toggle and a user profile for Parthiv Patel (Admin) are also present in the sidebar.

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

The screenshot displays two views of the Placemate application interface. The top view shows the 'Personal Information' section of a student's profile, with fields for Full Name, Email, Phone Number, Date of Birth, Gender, Address Line 1, Address Line 2, City, and Postal Code. The bottom view shows the 'Account Information' section, listing Program Name (Information Technology), Degree Abbreviation (MSc.), Degree Level (PG), and Degree Name (Master of Science). Both sections include a 'Save Changes' button.

Personal Information

- Full Name: fname1 mname1 lname1
- Email: student1@test.com
- Phone Number: 1234567890
- Date of Birth: dd/mm/yyyy
- Gender: Select Gender
- Address Line 1:
- Address Line 2:
- City: N/A
- Postal Code:

Academic Information

- Enrollment Number: 202412150
- Program: Information Technology
- Joining Year: 2024

Account Information

- Program Name: Information Technology
- Degree Abbreviation: MSc.
- Degree Level: PG
- Degree Name: Master of Science

Placement Status

- Placement Status: Not Placed

Additional Information

- User ID: 46
- Role: Student

Profile Details

- Profile Created: 6 November 2025
- Last Updated: 6 November 2025

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

The screenshot shows the 'Registered Students' page of the Placemate application. On the left, there's a sidebar with 'QUICK ACTIONS' including 'Register Company', 'Add Drive', 'Register Cell Member', 'Register Student', and 'Light Mode'. The main area has a search bar and three dropdown filters: 'All Courses' (set to 'Information Technology'), 'All Batches', and 'All Status'. The table lists six student entries:

S.No	Enrollment No	Full Name	Year	Course	Email	Placement Status	Action	
1	202412150	frame1 mnzmc1 Inome1	2024	Information Technology	student1@test.com	Not Placed		
2	202412117	Kishen Thakki	2024	Information Technology	202412117@dau.ac.in	Not Placed		
3	202412083	Nitesh Sachde	2024	Information Technology	202412083@dau.ac.in	Placed		
4	213614	parthiv test	2024	Information Technology	parthivp600@gmail.com	Not Placed		
5	202412069	Parthiv patel	2024	Information Technology	202412069@dau.ac.in	Placed		
6	202412136	smit thakkar	2024	Information Technology	202412116@dau.ac.in	Placed		

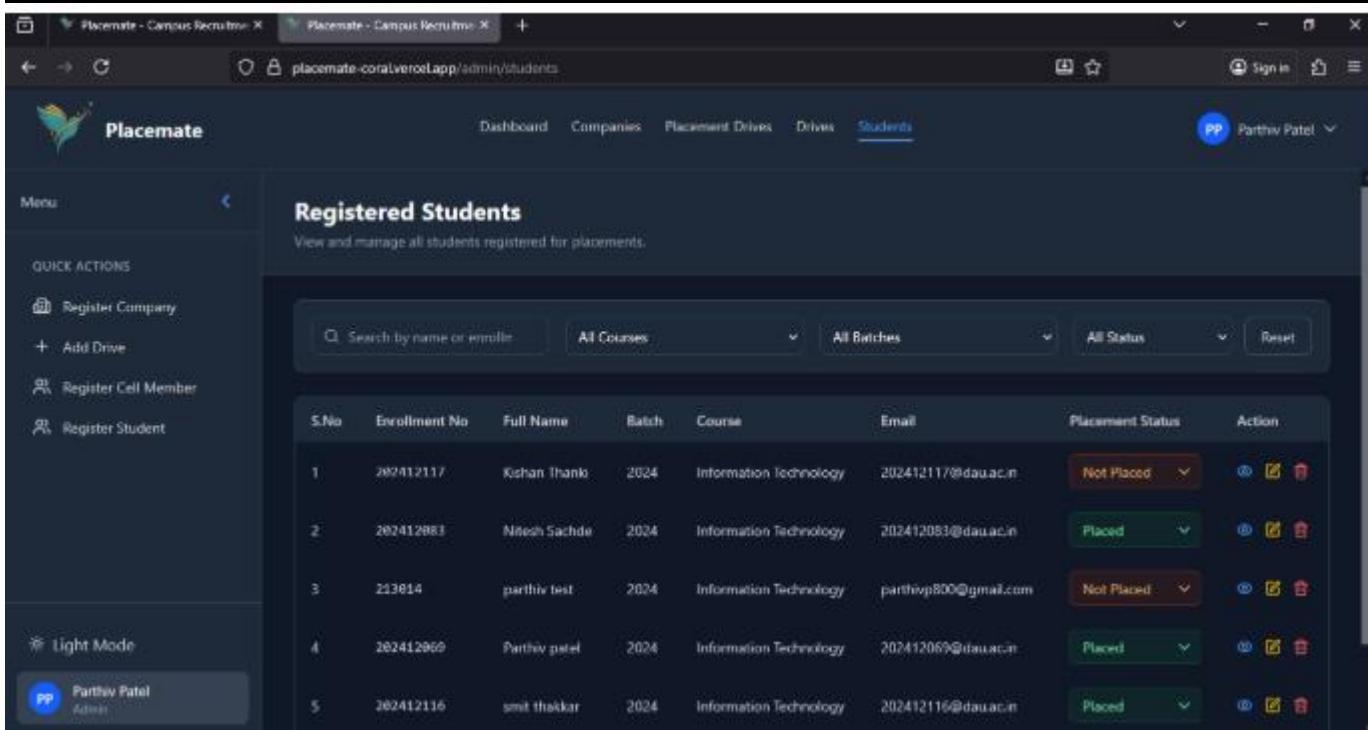
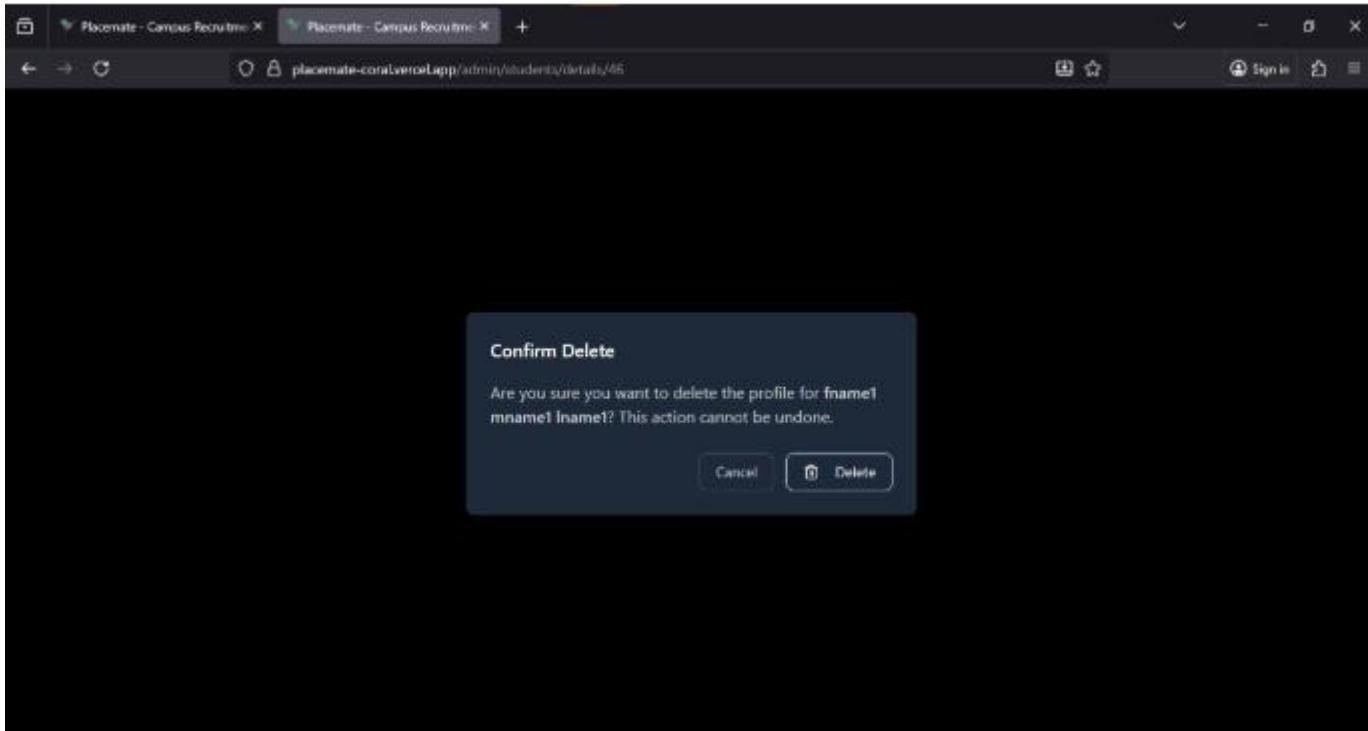
7. Delete Student

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



S.No	Enrollment No	Full Name	Batch	Course	Email	Placement Status	Action
1	202412117	Kishan Thank	2024	Information Technology	202412117@dau.ac.in	Not Placed	
2	202412083	Nitesh Sachde	2024	Information Technology	202412083@dau.ac.in	Placed	
3	213014	parthiv test	2024	Information Technology	parthivp80@gmail.com	Not Placed	
4	202412069	Parthiv Patel	2024	Information Technology	202412069@dau.ac.in	Placed	
5	202412116	smit thakkar	2024	Information Technology	202412116@dau.ac.in	Placed	

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

The screenshot shows the Placemate admin dashboard with the 'Companies' tab selected. On the left, there's a sidebar with 'QUICK ACTIONS' including 'Register Company', 'Add Drive', 'Register Cell Member', and 'Register Student'. A 'Light Mode' toggle is also present. The main content area is titled 'Register New Company' and shows the last update date as November 6, 2025. The 'Company Information' section contains fields for Company Name (with placeholder 'company1'), Company Website (with placeholder 'https://company1.com'), Phone Number (2468013579), Founded Year (2005), Email (comp1@gmail.com), Company Size (selected as 'Select Company Size'), and Company Description (software development). There's also a logo upload field with the instruction 'PNG, JPG, or GIF up to 5MB' and a placeholder 'Upload Logo'.

A modal dialog box from 'placemate-coralvercelapp' displays an error message: 'Registration failed: Validation failed: ["website_url" ["Enter a valid URL."]]'. An 'OK' button is at the bottom right of the dialog.

Placemate - Campus Recruiters

placemate-contaiveroApp/admin/companies/register

Dashboard Companies Placement Drives Drives Students

Placemate Partner Patel

Menu

QUICK ACTIONS:

- Register Company
- + Add Drive
- Register Cell Member
- Register Student

Light Mode

Partner Patel

Email* comp1@gmail.com

Company Size* Select Company Size *

Company Description software development

Address Information

Address Line Building, Street, Area

Headquarter City* Ahmedabad

OK

Please select a company size

Register Company

The screenshot shows a web-based application interface for company registration. On the left, there's a sidebar with a logo, navigation links for dashboard, companies, placement drives, drives, and students, and a quick actions section with options like 'Register Company', '+ Add Drive', 'Register Cell Member', and 'Register Student'. Below that are 'Light Mode' and 'Partner Patel' buttons. The main content area has tabs for 'Companies' (which is active) and 'Placement Drives'. The 'Companies' tab contains fields for 'Email*' (with value 'comp1@gmail.com'), 'Company Size*' (which is empty and highlighted with a red border), and 'Company Description' (with value 'software development'). Below this is an 'Address Information' section with 'Address Line' and 'Headquarter City*' fields, both of which have dropdown menus open. A modal dialog box is centered over the form, displaying the error message 'Please select a company size' next to the 'Company Size' field. At the bottom right is a large blue 'Register Company' button.

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

The screenshot shows the 'Companies' section of the Placemate software. On the left, there's a sidebar with 'QUICK ACTIONS': 'Register Company', '+ Add Drive', 'Register Cell Member', and 'Register Student'. Below that is a 'Light Mode' toggle and the user info 'Parthiv Patel Admin'. The main area has a header 'Registered Companies' with a sub-instruction 'Manage and view all companies registered in the placement portal.' A search bar at the top says 'Search companies by name, email, phone, city...'. To the right are 'Add Company' and 'Refresh' buttons. The main table lists companies with columns: Company, Website, Location, Size, Founded, and Actions. The data is as follows:

Company	Website	Location	Size	Founded	Actions
comp1 comp1@gmail.com	comp1.com	Ahmedabad	11-50 employees	2018	
schools schools@schools	—	Hanwar	500+ employees	2025	
dfds dfds@qqa.ii	—	Hyderabad	51-500 employees	2025	
Placemate support@placemate.com	placemate-coralvercelapp	DWJ Gandhinagar, Ahmedabad	1-10 employees	2025	
ABC	—	—	—	—	

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

The screenshot shows the 'Placement Drives' section of the Placemate application. On the left, there's a sidebar with a logo, 'Placemate' title, 'Menu' dropdown, 'QUICK ACTIONS' (Register Company, Add Drive, Register Cell Member, Register Student), and a 'Light Mode' toggle. The main area has a header 'Placement Drives' with a sub-instruction 'Browse and manage all placement drives and opportunities.' Below it is a search bar with placeholder 'Search placement drives by title...' and a 'Search' button. A table lists one drive: 'Campus Placements 2024 - Updated' with start date Aug 1, 2024, end date Dec 16, 2024, created on Oct 26, 2025, and actions (Edit, Delete, View). The top navigation bar includes 'Dashboard', 'Companies', 'Placement Drives' (which is underlined), 'Drives', and 'Students'. The top right shows a user profile for 'Parthiv Patel'.

This screenshot shows the details of the 'Campus Placements 2024 - Updated' drive. The top part displays the drive's title, 'Campus Placements 2024 - Updated', and its duration from 'Aug 1, 2024 - Dec 16, 2024'. Below this are two cards: 'Drive Schedule' (Start Date: August 1, 2024 at 05:30 AM; End Date: December 16, 2024 at 05:29 AM) and 'Drive Information' (Created: October 26, 2025 at 09:13 PM; Last Updated: October 26, 2025 at 09:14 PM). At the bottom, there's a card for 'Associated Companies' with an 'Add Company Drive' button. The sidebar and top navigation are identical to the previous screenshot.

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

The screenshot shows the Placemate admin interface. In the top navigation bar, the 'Companies' tab is selected. On the left sidebar, under 'QUICK ACTIONS', there are links for 'Register Company', 'Add Drive', 'Register Cell Member', and 'Register Student'. The main content area displays a company profile for 'comp1'. The profile includes a placeholder icon, the name 'comp1', employee count (11–50), foundation year (2018), and location (Ahmedabad). Below the profile, a 'Contact Information' section lists the email 'compt1@gmail.com', phone number '2468013579', and website 'compt1.com'. At the top right of the profile view, there are 'Back', 'Edit', and 'Delete' buttons. A confirmation dialog box is overlaid on the page, asking 'Are you sure you want to delete "comp1"? This action cannot be undone.' It features a red 'Delete' button and a grey 'Cancel' button.

Placemate - Campus Recruitment +

placemate-coralvercelapp/admin/companies

Placemate

Dashboard Companies Placement Drives Drives Students

Parthiv Patel

Menu <

QUICK ACTIONS

- Register Company
- + Add Drive
- Register Cell Member
- Register Student

Light Mode

Parthiv Patel Admin

Registered Companies

Manage and view all companies registered in the placement portal.

+ Add Company Refresh

Search companies by name, email, phone, city...

Company	Website	Location	Size	Founded	Actions
adsada adsat@adsadasa	—	@ Handwar	500+ employees	2025	
fdffs fdfdfdf@gugaa	—	@ Hyderabad	51-500 employees	2025	
Placemate support@placemate.com	placemate-coralvercelapp	@ DAU, Gandhinagar, Ahmedabad	1-10 employees	2025	

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

The screenshot shows the 'Placement Drives' section of the Placemate application. The left sidebar has a 'Menu' button and 'QUICK ACTIONS' with options: 'Register Company', '+ Add Drive', 'Register Cell Member', and 'Register Student'. Below these are 'Light Mode' and user info for 'Parthiv Patel Admin'. The main area has tabs: 'Dashboard', 'Companies', 'Placement Drives' (selected), 'Drives', and 'Students'. A search bar at the top says 'Search by Company or Drive Name' with filters 'All' and 'Reset'. The 'Placement Drives' section lists six companies with their details and a 'View' button:

Company	Location	Role	Experience	Salary Range	Action
TechSolutions Inc.	Bengaluru, India	Software Engineer Intern	Internship	₹ 20,000 – 30,000 / month	View
Global Innovations	Hyderabad, India	Data Analyst Trainee	Full-time	₹ 4.5 – 6.0 LPA	View
FinServe Pro	Mumbai, India	Financial Consultant	Full-time	₹ 5.0 – 7.5 LPA	View
HealthBridge Co.	Pune, India	E-Comm Giants	Gurugram, India		
EduTech Future	Chennai, India				

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

The screenshot shows the Placemate platform's 'Placement Drives' section. On the left, there is a sidebar with 'QUICK ACTIONS': 'Register Company', '+ Add Drive', 'Register Cell Member', and 'Register Student'. The main area has a search bar containing 'E-Comm'. Below it, a card for 'E-Comm Giants' is shown, listing 'Marketing Specialist' as 'Full time' with a salary range of '₹ 4.2 – 6.5 LPA'. A 'View' button is at the bottom right of the card. To the right of the search bar are buttons for 'All' and 'Reset'. At the bottom of the main area, it says 'Drives shown based on student eligibility, filters, and registration status.'

This screenshot shows the same 'Placement Drives' section. The search bar now contains 'TechSolutions Inc.'. To the right, a dropdown menu is open under 'Internship' with options: 'All', 'Full-time', and 'Internship'. The 'Internship' option is highlighted. The main area displays two cards: 'TechSolutions Inc.' (listing 'Software Engineer Intern' as 'Internship' with a salary of '₹ 20,000 – 30,000 / month') and 'EduTech Future' (listing 'Content Developer' as 'Internship' with a salary of '₹ 15,000 – 25,000 / month'). Both cards include a 'View' button at the bottom right. The footer message 'Drives shown based on student eligibility, filters, and registration status.' is visible.

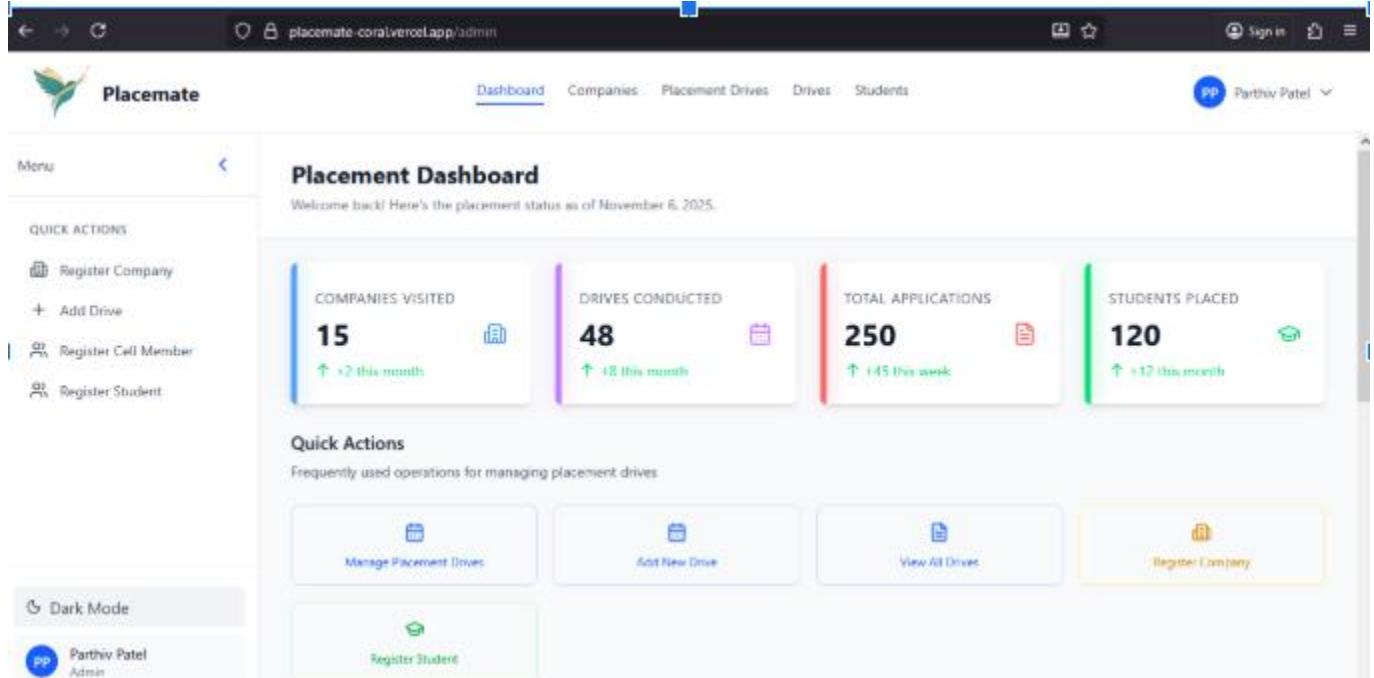
14 Screen mode

Objective: Verify that the admin can toggle between dark and light mode successfully.

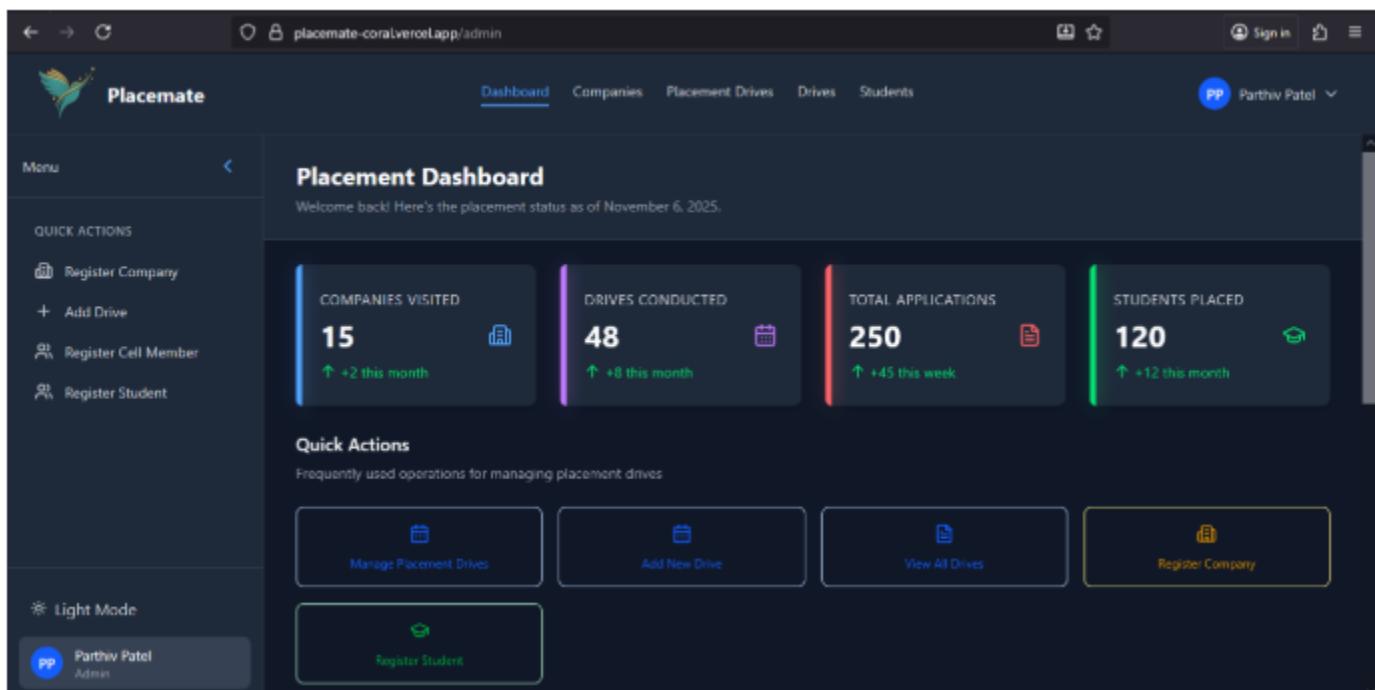
Expected result: System should switch themes smoothly without affecting functionality or layout.

Actual result: Dark/light mode toggle worked properly, and UI displayed consistently in both modes.

Status: Passed



The screenshot shows the Placement Dashboard in light mode. The interface is white with blue and green accents. On the left, there's a sidebar with a 'Menu' button and a 'Dark Mode' button. The main content area has a title 'Placement Dashboard' and a message 'Welcome back! Here's the placement status as of November 6, 2025.' Below this are four summary cards: 'COMPANIES VISITED' (15, up +2 this month), 'DRIVES CONDUCTED' (48, up +8 this month), 'TOTAL APPLICATIONS' (250, up +45 this week), and 'STUDENTS PLACED' (120, up +12 this month). A 'Quick Actions' section follows, featuring buttons for 'Manage Placement Drives', 'Add New Drive', 'View All Drives', and 'Register Company' (which is highlighted with a yellow border). At the bottom, there are buttons for 'Register Student' and 'Dark Mode'.



The screenshot shows the same Placement Dashboard but in dark mode. The background is dark grey, and the UI elements have a darker color palette. The 'Dark Mode' button in the sidebar is now highlighted with a yellow border. The summary cards and quick actions are identical to the light mode version but appear in a darker, more monochromatic style. The overall layout remains consistent with the light mode version.

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

