Unit Test Case Description

for

Alumni Affairs Network

Version 1.0

Prepared by

Group No. : FN-9

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Alumni Controller Test Case

In alumni controller,we have 2 test cases :

1.testGetAllAlumni()-It checks whether the service returns a list of all alumni as expected.

2.testAddAlumni()   -It ensures that a new alumni record can be successfully created and returned.

Alumni Service Test Case

In alumni service,we have 2 test cases :

1.testGetAllAlumni()-It ensures that the service fetches all alumni records from the repository.

2.testSaveAlumni()   -It ensures that a new alumni object is saved and returned correctly.

Blog Controller Test Case

In blog controller,we have 1 test case :

1.testGetAllBlogs()-It ensures that it returns all blog posts in the correct JSON format.

Blog Service Test Case

In blog service,we have 1 test case :

1.testGetAllBlogs()-It validates the /api/events endpoint correctly and return a list of events in JSON format.

Event Controller Test Case

In event controller,we have 2 test cases :

1.testGetAllEvents_ReturnsEvents()-It ensures that a list of events in JSON format is returned correctly.

2. .testGetAllEvents_ReturnsEmptyList()-It ensures that an empty array is returned when no events exist.

Event Service Test Case

In event service,we have 1 test case :

1.testGetAllEvents_ReturnsSortedEvents()-To verify that the getAllEvents() method returns a sorted list of events based on eventDate in ascending order.

Gallery Controller Test Case

In gallery controller,we have 1 test case :

1.testGetAllGalleryItems_ReturnsOkWithGalleryList()-To verify that the /api/gallery endpoint returns an HTTP OK response and the expected list of gallery items.

Gallery Service Test Case

In gallery service,we have 1 test case :

1.testGetAllGalleryItems_ReturnsGalleryList()-To verify that the getGalleryItems() method in GalleryService correctly returns the list of gallery items fetched from the GalleryRepository.

Job Controller Test Case

In job controller,we have 1 test case :

1.testGetAllJobs_ReturnsJobList()-To verify that the /api/jobs endpoint in JobController returns a list of job postings and interacts with JobService correctly.

Job Service Test Case

In job service,we have 1 test case :

1.testGetAllJobs_ReturnsJobList()-To verify that the getAllJobs() method in JobService returns a complete list of jobs retrieved from the JobRepository.

Leaderboard Controller Test Case

In leaderboard controller,we have 1 test case :

1.testGetLeaderboard_ReturnsMockedData()-To verify that the getLeaderboard() method in LeaderboardController returns the expected leaderboard data when the LeaderboardService provides it.

Leaderboard Service Test Case

In leaderboard service,we have 1 test case :

1.testGetLeaderboard_ReturnsMockedData()-To verify that the getLeaderboard() method in LeaderboardService returns the expected list of leaaderboard entries fetched from the repository.

Screenshot of the Test Cases tested successfully: