



Ministry of Communication and Information Technology
(MCIT)

Digital Egypt Pioneers Initiative (DEPI)

Track: Software Development / Software Testing

Round: 3rd round

Group code: YAT546A-CAI3-SWD6-S6

Under the supervision of Instructor: Abdelrahman Osama

Graduation Project title: Trello API + Orange HRM

Trello API:

<https://developer.atlassian.com/cloud/trello/rest/api-group-actions>

Orange HRM:

<https://opensource-demo.orangehrmlive.com/web/index.php/auth/login>

Team Members' information

Member's name	اسم الاعضاء
Salma Saeed Mohamed (team leader)	سلمى سعيد محمد
Salma Alaa Hamdy	سلمى علاء حمدي
Mariam Waleed Mohamed	مريم وليد محمد
Abdallah Tarek Eid	عبدالله طارق عيد
Mohamed Ragab Ibrahim	محمد رجب ابراهيم
Wael Hussein Khamees	وائل حسين خميس

Brief about The Graduation Project

This project focuses on testing: the **Trello API**, which provides endpoints for managing boards, lists, and tasks programmatically, and **OrangeHRM**, a human resource management platform. The testing approach covers verifying key workflows such as authentication, board and card operations in Trello, and employee record management in OrangeHRM.

The project applies assertions, structured test design, and reporting to ensure correctness and reliability. This demonstrates how testing can be applied across both API-level and UI-level systems in different business domains.

Team Members' roles

Name	Manual Testing	Automation Testing	API
Abdullah Tarek	Search Employee	Search Employee	Attachments & Checklists
Mariam Waleed	Assign leave	Assign leave	Card extras
Salma Alaa	Add employee	Add employee	Cards (CRUD)
Salma Saeed	Update employee details	Update employee details	Comments
Mohamed Ragab	Login/Logout	Login/Logout	Boards
Wael Hussein	Apply leave	Apply leave	List

