

RE Project

A major governmental institution has a platform that is responsible for the promotion of all academics in Egypt from the role of assistant professor to associate professor to full professor. The platform has a very complex business logic as an initial step for the promotion. The system is used to prepare two important reports for the applicant in order for the applicant to apply for promotion. They are the impact factor report (IF) and the plagiarism report (PR). The system is integrated with couple of other systems, one of them is responsible for the actual promotion process and the other is responsible for the evaluation of the local journals. However, the organization wishes to refactor and upgrade the system frontend technology to a modern framework.

THE SYSTEM HAS MULTIPLE USER TYPES AS FOLLOWS:

1. **Academics** (customer/applicant) who apply for impact factor and plagiarism report of their research work.
2. **Voucher:** who checks for the validity of submitted application before it is passed to the technical roles.
3. **Coordinator:** who distributes the application to the right personnel who perform the preparation of the impact factor report or the revision of the impact factor report.
4. **Preparation:** the technical people who perform the evaluation of the impact factor report.
5. **Revision:** the technical experts who perform the revision of what the preparation personnel made.
6. **Plagiarism Preparation/Revision:** After the preparation and revision of the impact factor report. The application is then passed to the personnel responsible for producing the plagiarism report who are also split into preparation and revision personnel.
7. **Operational Admin:** this team is responsible for ensuring operational integrity and control over the process. They can return the application from any stage to any other stage.
8. **Super Admin:** This role overlooks the reporting of the KPIs. You will not refactor this account.

THE WORKFLOW OF THE PROCESS IS:

Applicant fills a profile → submit an application → revised by the voucher → if accepted goes to coordinator → coordinator selects a person to prepare the impact factor → preparation is completed → application goes back to coordinator → coordinator selects an expert for revision of the application → expert completes the impact factor report → application is forwarded automatically to a person at a particular university to prepare the plagiarism report → then forwarded to a person who revises the plagiarism report once preparation is complete → application completed and final report is sent to the applicant, the promotion committee, and the promotion system through integration.

In any stage the report can be returned to the applicant for additional information.

REQUIREMENTS

You are required to develop a modern frontend for the application preserving the visual identity of the institution through the colors of its logo or colors that present the website as professional, modern, and attractive platform:

1. Analyze the platform interface using methods you learned in the requirement engineering course such as interviews, user interface analysis, and system interface analysis or any other method you see feasible in the situation.
2. Develop an SRS document based on IEEE template detailing the specifications for the type of user you will be refactoring its interface.
3. Develop Figma design for the interface of one type of the users provided. If you choose the voucher user, you must take the admin with it and vice versa. Bonus marks will be awarded to the team who will design the full interface in Figma. Bonus marks will be awarded to the team who will convert the interface into React. Bonus marks will be awarded to the best design selected by the institution representative.

Note: you can use tools such as builder.io, dhiWise, animaapp or the like to convert Figma to React code.

Access to view the platform can be seen here:

[RE-SCU-2024](#)

You will need to sign in using your university account.

The project deadline is Friday 20.12.2024.