

Center of Excellence

Overview – ERS Project Requirements

This document is meant to provide an overview of all deliverables for the entire foundations project. All associates have the flexibility to expand upon their project's functionality and design; however, they must still meet the minimum functionality requirements to 'finish' the project.

This project is an expense reimbursement system, designed to allow each associate to demonstrate their understanding of the fundamentals of software development. Employee expense reimbursement software allows you to input expenses for approval through one application. In short, you are building an API (Application Programming Interface) for employees to submit reimbursement requests and managers to approve or deny the submitted requests.

Core functionality (Required):

1. Ability to log into the application
 - Username and password input
2. Ability to register a new account
 - Must ensure the username is not already registered
 - Default employee role
3. Employees can submit reimbursement ticket
 - Must have an amount
 - Must have a description
4. Managers can process tickets submitted by employees
 - Tickets can be Approved or Denied
 - Tickets cannot change status after processing

Additional Functionality (Optional):

1. Employees can view previous submissions
 - Can filter by Pending, Approved, or Denied status
2. Add Reimbursement Types
 - Travel, Lodging, Food, Other
 - Employees can view previous requests filtered by type
3. Managers can change other users' roles
 - Employee to Manager or back to Employee
4. Employees can add images of receipts to their reimbursement requests
 - Upload and store images (in SQL or cloud storage)
5. User Profile/Account Page
 - Track additional user information (name, address, etc.)
 - Users can edit their account
 - Users can add a profile picture

The Presentation (Required):

Your trainer will outline the amount of time you have to complete the requirements listed above. Do *not* work on any optional goals until the requirements are met.

At the end of this project, you will be required to give a professional presentation. In this presentation, you should cover the technologies utilized, architecture diagram, ERD diagram, list of features Implemented, outstanding defects/issues, challenges faced, and give a thorough project demo. Ensure that you are dressed in business professional attire and can articulate how you built the application you are presenting. You will need to show that http requests can reach the API and the appropriate functionality and endpoints exist through postman or swagger.