The project consists of creating a web application for managing employee expenses in a company. Employees will be able to upload their expenses, which have to be approved by an expense manager. Expense managers will be able to obtain report expenses.

Basic functionality

- A1: Access: Users access the application with a username and password that are stored in a database. There will be at least two types of users: normal employees and expense managers.
- A2: Upload expense: Users will be able to introduce new expenses into the system by filling out a form. It will include at least this information: category, name or short description, the date in which the expense was made, the amount, the date in which the expense was introduced into the system and an optional file that can be an image, a PDF file or a zip file.
  Expenses introduced by normal employees are inserted as "pending approval" until an expense manager approves or denies them. Expenses introduced by expense managers are inserted as "approved".
- A3: Expense list. Users will be able to see all the expenses they have submitted, including the status ("approved", "pending approval", "denied"). They also have to be able to see only denied ones or only pending approval ones. In all the cases, expenses will be shown ordered by date, with most recent ones first.
- A4: Expense approval. Expense managers will be able to access a section showing requests pending approval.
  They must be able to access all the information of each request, including the possibility to download the optional file. If the file is an image, it has to be rendered in a way that it is usable without downloading it.
  From there, they will be able to approve or deny expenses. When an expense is not approved, the manager can include an explanation message so the employee can make a new request.
- A5: The connection data to the database must be stored in a configuration file.

Extensions

E1. Encrypted user password (0.5 points)

Store the user password using an encryption method.
See functions password_hash and password_verify.

E2. Deleting (0.5 points)

Allow normal users to delete pending approval requests.

E3. Expense report (1 point)

Expense managers will be able to generate a report of the expenses made by an employee in a given date interval. The report will consist of a table detailing the expenses, the total number of expenses and the total amount.

E4. Report downloading (0.75 points)

Allow managers to download the generated reports in PDF format.

E5. Report sending by email (0.75 points)

Allow managers to send the generated reports by email, either as HTML in the body or as a HTML/PDF attachment.
The connection data to the mail server must be stored in a configuration file.

E6. Testing (1 point)

Using Codeception, write acceptance tests for all the functionality.

E7. PHPDocumentor (0.5 points)

Write DocBlocks for your files and functions and generate the HTML documentation files.