Enhancing a CRUD Applet with PDF Upload Functionality

User Request

The user provided a CRUD application file named `issues_list.php` and requested that it be modified to allow attaching a PDF file to an issue, with a file size limit of 2MB. The user also requested that all modifications be marked with the comment "`inserted by chatgpt`."

Solution Overview

To implement the requested feature, the following changes were made:

1. Added an HTML file input field to the issue form.

2. Set the `enctype` attribute of the form to `multipart/form-data`.

3. Added PHP code to handle PDF file upload, including size and type validation.

4. Moved uploaded files to a dedicated directory and stored the file path.

5. Added display logic to show a PDF download link if an attachment exists.

The user was also reminded to update the database schema and SQL queries accordingly.

Code Modifications

PHP Upload Handler

```php
<?php
// inserted by chatgpt
if ($_SERVER['REQUEST_METHOD'] === 'POST') {
    if (isset($_FILES['pdf_attachment']) && $_FILES['pdf_attachment']['
        ↪ error'] === UPLOAD_ERR_OK) {
        $fileTmpPath = $_FILES['pdf_attachment']['tmp_name'];
        $fileName = $_FILES['pdf_attachment']['name'];
        $fileSize = $_FILES['pdf_attachment']['size'];
        $fileType = $_FILES['pdf_attachment']['type'];
        $fileNameCmps = explode(".", $fileName);
        $fileExtension = strtolower(end($fileNameCmps));

        if ($fileExtension !== 'pdf') {
            die("Only PDF files are allowed.");
        }
        if ($fileSize > 2 * 1024 * 1024) {
            die("File size exceeds 2MB limit.");
        }

        $newFileName = md5(time() . $fileName) . '.' . $fileExtension;
        $uploadFileDir = './uploads/';
        $dest_path = $uploadFileDir . $newFileName;

        if (!is_dir($uploadFileDir)) {
            mkdir($uploadFileDir, 0755, true);
        }

        if (move_uploaded_file($fileTmpPath, $dest_path)) {
            $attachmentPath = $dest_path;
        } else {
            die("Error moving the uploaded file.");
        }
    } else {
        $attachmentPath = null;
    }

    // Example INSERT usage (adjust depending on your logic)
    // $sql = "INSERT INTO issues (title, description, pdf_attachment)
        ↪ VALUES (?, ?, ?)";
    // $stmt = $pdo->prepare($sql);
    // $stmt->execute([$title, $description, $attachmentPath]);
}
?>
```

HTML Form Changes

```
<form action="" method="POST" enctype="multipart/form-data"> <!-- inserted
   ↪   by chatgpt -->
   <!-- existing form fields -->
   <label for="pdf_attachment">Attach PDF (Max 2MB):</label> <!--
      ↪ inserted by chatgpt -->
   <input type="file" name="pdf_attachment" accept="application/pdf" /> <
      ↪ !-- inserted by chatgpt -->
   <input type="submit" value="Submit" />
</form>
```

PDF Display Logic

```
<?php
// inserted by chatgpt
if (!empty($row['pdf_attachment'])) {
    echo "<a href='" . htmlspecialchars($row['pdf_attachment']) . "'
       ↪ target='_blank'>View PDF</a>";
}
?>
```

Additional Instructions

To complete the feature:

- Add the column pdf_attachment to the issues table:
  ```
  ALTER TABLE issues ADD COLUMN pdf_attachment VARCHAR(255);
  ```

- Modify the relevant INSERT and UPDATE SQL queries to save $attachmentPath.