1. **Ledger Management:**

**User Story**: **Viewing Ledger Entries**

As an accountant, I want to be able to view the ledger entries for the company, including the date, description, debit, credit, and balance.

**Acceptance criteria**:

* GIVEN the accountant is logged into the system,

WHEN they access the dashboard,

THEN they should be presented with a display of ledger entries for the company.

* GIVEN the accountant is viewing the ledger entries on the dashboard,

WHEN they examine each entry,

THEN they should find details including date, description, debit amount, credit amount, and balance.

* GIVEN the accountant is viewing the ledger entries on the dashboard,

WHEN they review the list,

THEN they should observe that the entries are arranged in chronological order, with the most recent transactions appearing at the top.

| **Field** | **Type** | **Display Rule** | **Requirements** |
| --- | --- | --- | --- |
| EntryID | Number | Not Displayed | Auto-generated Primary Key |
| CompanyID | Number | Not Displayed | Foreign Key referencing the Company table |
| Transaction Date | Date | Always Display | Must be displayed |
| Description | Text | Always Display | Must be displayed |
| Transaction Type | Text | Always Display | Must be displayed |
| Amount | Number | Always Display | Must be displayed; positive for debit transactions, negative for credit |
| Balance | Number | Always Display | Must be displayed; cumulative balance at the time of the transaction |

**User Story**: **Adding New Ledger Entries**

As an accountant, I want to be able to add new ledger entries for financial transactions.

**Acceptance Criteria:**

* GIVEN the accountant is logged into the system,

WHEN they navigate to the dedicated form for adding new ledger entries,

THEN they should see fields for entering the transaction date, description, transaction type, and amount for the transaction.

* GIVEN the accountant is filling out the form to add a new ledger entry,

WHEN they input the required information and attempt to submit the form, THEN the system should validate the input fields to ensure all required information is provided and that the transaction amount is valid based on its type (debit or credit).

* GIVEN the accountant has successfully submitted the new ledger entry form, WHEN the submission is processed,

THEN the new ledger entry should be immediately reflected in the ledger and displayed in the dashboard.

| **Field** | **Type** | **Display Rule** | **Requirements** |
| --- | --- | --- | --- |
| Transaction Date | Date | Always Display | Cannot be empty |
| Description | Text | Always Display | Cannot be empty |
| Transaction Type | Dropdown | Always Display | Must be selected from predefined options (e.g., Debit, Credit) |
| Amount | Number | Always Display | Cannot be empty; must be a valid numerical value |

1. **Accounts Receivable:**

**User Story**: **Viewing Accounts Receivable Information**

As an accountant, I want to be able to view accounts receivable information, including the customer name, invoice number, due date, amount, and status.

**Acceptance Criteria:**

* GIVEN the accountant is logged into the system,

WHEN they navigate to the accounts receivable section,

THEN they should be presented with a dedicated interface for viewing accounts receivable information.

* GIVEN the accountant is viewing the accounts receivable section,

WHEN they interact with the interface,

THEN they should see a list displaying all accounts receivable entries for the company, containing details like customer name, invoice number, due date, amount, and status.

* GIVEN the accountant is viewing the list of accounts receivable entries,

WHEN they interact with the interface,

THEN they should be able to sort and filter the entries based on various criteria such as customer name, invoice number, or status.

* GIVEN the accountant is viewing the list of accounts receivable entries,

WHEN they click on a specific entry,

THEN they should be able to view additional details if necessary, such as payment history or related transactions.

| **Field** | **Type** | **Display Rule** | **Requirements** |
| --- | --- | --- | --- |
| ReceivableID | Number | Not Displayed | Auto-generated Primary Key |
| EntryID | Number | Not Displayed | Foreign Key referencing the Ledger table |
| CustomerID | Number | Not Displayed | Foreign Key referencing the Customer table |
| Customer Name | Text | Always Display | Must be displayed |
| Invoice Number | Text | Always Display | Must be displayed |
| Due Date | Date | Always Display | Must be displayed |
| Amount | Number | Always Display | Must be displayed; positive for money owed to the company |
| Status | Text | Always Display | Must be displayed; indicates the status of the receivable (e.g., pending, paid) |

**User Story**: **Adding New Accounts Receivable Entries**

As an accountant, I want to be able to add new accounts receivable entries for invoices issued to customers.

**Acceptance Criteria:**

* GIVEN the accountant is logged into the system,

WHEN they access the dedicated form or interface for adding new accounts receivable entries,

THEN they should be presented with a platform specifically designed for this task.

* GIVEN the accountant is filling out the form or interface to add a new accounts receivable entry,

WHEN they input the required information, including invoice number, due date, amount, and select the associated customer from a dropdown list,

THEN the system should validate the input fields to ensure all required information is provided and that the amount is valid.

* GIVEN the accountant has successfully submitted the new accounts receivable entry form,

WHEN the submission is processed,

THEN the new accounts receivable entry should be immediately reflected in the system and displayed in the accounts receivable list.

| **Field** | **Type** | **Display Rule** | **Requirements** |
| --- | --- | --- | --- |
| Receivable ID | Number | Not Displayed | Auto-generated Primary Key |
| Entry ID | Number | Not Displayed | Foreign Key referencing the Ledger table |
| Customer ID | Number | Not Displayed | Foreign Key referencing the Customer table |
| Invoice Number | Text | Always Display | Cannot be empty |
| Due Date | Date | Always Display | Cannot be empty |
| Amount | Number | Always Display | Cannot be empty; must be a valid numerical value |
| Status | Text | Always Display | Must be one of the predefined status options (e.g., pending, paid) |
| Customer Dropdown | Dropdown | Always Display | Must display a list of existing customers for the accountant to select from |

1. **Accounts Payable Management:**

**User Stories**: **Viewing Accounts Payable Information**

As an accountant, I want to be able to view accounts payable information, including the vendor name, invoice number, due date, amount, and status.

**Acceptance Criteria:**

* GIVEN the accountant is logged into the system,

WHEN they access the dedicated section for viewing accounts payable information,

THEN they should be directed to a specific interface designed for this purpose.

* GIVEN the accountant is viewing the accounts payable section,

WHEN they interact with the interface,

THEN they should see a list containing all accounts payable entries for the company, including details like vendor name, invoice number, due date, amount, and status.

* GIVEN the accountant is viewing the list of accounts payable entries,

WHEN they interact with the interface,

THEN they should be able to sort and filter the entries based on various criteria such as vendor name, invoice number, or status.

* GIVEN the accountant is viewing the list of accounts payable entries,

WHEN they click on a specific entry,

THEN they should be able to view additional details if necessary, such as payment history or related transactions.

| **Field** | **Type** | **Display Rule** | **Requirements** |
| --- | --- | --- | --- |
| PayableID | Number | Not Displayed | Auto-generated Primary Key |
| EntryID | Number | Not Displayed | Foreign Key referencing the Ledger table |
| VendorID | Number | Not Displayed | Foreign Key referencing the Vendor table |
| Vendor Name | Text | Always Display | Must be displayed |
| Invoice Number | Text | Always Display | Must be displayed |
| Due Date | Date | Always Display | Must be displayed |
| Amount | Number | Always Display | Must be displayed; positive for money owed by the company |
| Status | Text | Always Display | Must be displayed; indicates the status of the payable (e.g., pending, paid) |

**User Story**: **Adding New Accounts Payable Entries**

As an accountant, I want to be able to add new accounts payable entries for invoices received from vendors.

**Acceptance Criteria:**

* GIVEN the accountant is logged into the system,

WHEN they access the dedicated form or interface for adding new accounts payable entries,

THEN they should be presented with a platform specifically designed for this task.

* GIVEN the accountant is filling out the form or interface to add a new accounts payable entry,

WHEN they input the required information, including invoice number, due date, amount, and select the associated vendor from a dropdown list,

THEN the system should validate the input fields to ensure all required information is provided and that the amount is valid.

* GIVEN the accountant has successfully submitted the new accounts payable entry form,

WHEN the submission is processed,

THEN the new accounts payable entry should be immediately reflected in the system and displayed in the accounts payable list.

| **Field** | **Type** | **Display Rule** | **Requirements** |
| --- | --- | --- | --- |
| Payable ID | Number | Not Displayed | Auto-generated Primary Key |
| Entry ID | Number | Not Displayed | Foreign Key referencing the Ledger table |
| Vendor ID | Number | Not Displayed | Foreign Key referencing the Vendor table |
| Invoice Number | Text | Always Display | Cannot be empty |
| Due Date | Date | Always Display | Cannot be empty |
| Amount | Number | Always Display | Cannot be empty; must be a valid numerical value |
| Status | Text | Always Display | Must be one of the predefined status options (e.g., pending, paid) |
| Vendor Dropdown | Dropdown | Always Display | Must display a list of existing vendors for the accountant to select from |

1. **Customer Management:**

**User Story: Viewing List of Customers**

As an accountant, I want to be able to view the list of customers associated with the company.

**Acceptance Criteria:**

* GIVEN the accountant is logged into the system,

WHEN they access the section specifically for managing customers,

THEN they should be directed to a dedicated interface designed for this purpose.

* GIVEN the accountant is viewing the customer management section,

WHEN they interact with the interface,

THEN they should see a list containing all customers associated with the company, displaying relevant details such as customer name and contact information.

* GIVEN the accountant is viewing the list of customers,

WHEN they interact with the interface,

THEN they should be able to sort and filter the entries based on various criteria such as customer name or location.

* GIVEN the accountant is viewing the list of customers,

WHEN they click on a specific customer entry,

THEN they should be able to view additional details if necessary.

| **Field** | **Type** | **Display Rule** | **Requirements** |
| --- | --- | --- | --- |
| CustomerID | Number | Not Displayed | Auto-generated Primary Key |
| CompanyID | Number | Not Displayed | Foreign Key referencing the Company table |
| Customer Name | Text | Always Display | Must be displayed |
| Customer Email | Email | Always Display | Must be displayed in a valid email format |

**User Story: Adding New Customers**

As an accountant, I want to be able to add new customers to the system.

**Acceptance Criteria:**

* GIVEN the accountant is logged into the system,

WHEN they access the dedicated form or interface for adding new customers, THEN they should be presented with a platform specifically designed for this task.

* GIVEN the accountant is filling out the form or interface to add a new customer, WHEN they input the relevant information such as customer name, email, and any other necessary information,

THEN the system should validate the input fields to ensure all required information is provided and that the email is in a valid format.

* GIVEN the accountant has successfully submitted the new customer form, WHEN the submission is processed,

THEN the new customer should be immediately added to the system and displayed in the list of customers.

| **Field** | **Type** | **Display Rule** | **Requirements** |
| --- | --- | --- | --- |
| Customer Name | Text | Always Display | Cannot be empty |
| Customer Email | Email | Always Display | Must be in a valid email format (e.g., example@example.com) |
| CustomerID | Number | Not Displayed | Auto-generated Primary Key |
| CompanyID | Number | Not Displayed | Foreign Key referencing the Company table |

1. **Vendor Management:**

**User Story**: **Viewing List of Vendors**

As an accountant, I want to be able to view the list of vendors associated with the company.

**Acceptance Criteria:**

* GIVEN the accountant is logged into the system,

WHEN they access the section specifically for managing vendors,

THEN they should be directed to a dedicated interface designed for this purpose.

* GIVEN the accountant is viewing the vendor management section,

WHEN they interact with the interface,

THEN they should see a list containing all vendors associated with the company, displaying relevant details such as vendor name and contact information.

* GIVEN the accountant is viewing the list of vendors,

WHEN they interact with the interface,

THEN they should be able to sort and filter the entries based on various criteria such as vendor name or location.

* GIVEN the accountant is viewing the list of vendors,

WHEN they click on a specific vendor entry,

THEN they should be able to view additional details if necessary.

| **Field** | **Type** | **Display Rule** | **Requirements** |
| --- | --- | --- | --- |
| VendorID | Number | Not Displayed | Auto-generated Primary Key |
| CompanyID | Number | Not Displayed | Foreign Key referencing the Company table |
| Vendor Name | Text | Always Display | Must be displayed |
| Vendor Email | Email | Always Display | Must be displayed in a valid email format |

**User Story: Adding New Vendors**

As an accountant, I want to be able to add new vendors to the system.

**Acceptance Criteria:**

* GIVEN the accountant is logged into the system,

WHEN they access the dedicated form or interface for adding new vendors, THEN they should be presented with a platform specifically designed for this task.

* GIVEN the accountant is filling out the form or interface to add a new vendor, WHEN they input the relevant information such as vendor name, email, and any other necessary information,

THEN the system should validate the input fields to ensure all required information is provided and that the email is in a valid format.

* GIVEN the accountant has successfully submitted the new vendor form,

WHEN the submission is processed,

THEN the new vendor should be immediately added to the system and displayed in the list of vendors.

| **Field** | **Type** | **Display Rule** | **Requirements** |
| --- | --- | --- | --- |
| Vendor Name | Text | Always Display | Cannot be empty |
| Vendor Email | Email | Always Display | Must be in a valid email format (e.g., example@example.com) |
| VendorID | Number | Not Displayed | Auto-generated Primary Key |
| CompanyID | Number | Not Displayed | Foreign Key referencing the Company table |