# Use Case Specification: CreateInvoice

**Brief Description:**

**CreateInvoice – This use case enables the accountant to create an invoice to be sent to the customer however the customer prefers.**

# Business Rule(s):

BR 01: System should store the client’s contact information to be used for calculations

BR 02: System should store the employee’s information such as contact information

BR 03: System should have an authentication system

**Scenario 1: Create invoice for an employee**

# **Preconditions: Accountant has authenticated into the system.**

| **Step#** | **Actor (Accountant)** | **System** | **Data Used** |
| --- | --- | --- | --- |
| 1 | Select create invoice option | Prompt for employee information | EmployeeName  EmployeeEmail  EmployeeNumber  other ConatctInfo |
| 2 | Enter information about the employee such as their name or email | Display specific found matches | EmployeeName  EmployeeEmail  EmployeeNumber  other ConatctInfo |
| 3 | Select the correct match | System displays invoice creation options | CustomerName  CustomerEmail  CustomerNumber  other conatctInfo |
| 4 | Accountant chooses creation options | Waits for accountant to finish choosing |  |
| 5 | Confirms creation options | System creates an invoice based on accontant information | -DateRange (to pay employee)  -ExpensesReported(required for reimbursement) |

**Successful Post-Conditions: Invoice is created and be sent to the employee.**

**Scenario 2: CreateInvoice for customer**

# Preconditions: Services have been completed and customer requires an invoice

| **Step#** | **Actor (Accountant)** | **System** | **Data Used** |
| --- | --- | --- | --- |
| 1 | Select create invoice option | Prompt for customer information | CustomerName  CustomerEmail  CustomerNumber  other conatctnfo |
| 2 | Enter information about the customer such as their name or email | Display specific found matches | CustomerName  CustomerEmail  CustomerNumber  other conatctInfo |
| 3 | Select the correct match | System displays invoice creation options | CustomerName  CustomerEmail  CustomerNumber  other conatctInfo  InvoiceCreationOptions |
| 4 | Accountant adds services that were requested by the completed (and thus completed for the customer) | Waits for accountant to complete invoice | ListOfServices |
| 5 | Confirms any changes that were made | System creates a new invoice. Prompt for sending method. | CustomerConatctInfo |
| 6 | Accountant Specifies how the invoice should be sent to the customer | Customer sends invoice based sepcified method method. | CustomerConatctInfo |

**Successful Post-Conditions: Customer receives invoice**

# Use Case Specification: PurchaseEuipment

**This use case enables the accountant to accurately keep track of the company’s budget when any purchase is made.**

# Business Rule(s):

BR 01: System should only allow the accountant to add expenses to the list

BR 02: System should have an authentication system

BR 03: Every Employee is entitled to be reimbursed for any equipment they payed for themselves.

**Scenario 1: Accountant adds expense**

# Preconditions: Equipment has been purchased and must be reported

| **Step#** | **Actor (Accountant)** | **System** | **Data Used** |
| --- | --- | --- | --- |
| 1 | Accountant selects add expense option | Displays options for adding an expense | ListOfExistingExpenses |
| 2 | Accountant adds an expense to the company’s budget | System prompts accountant for proper information | CreateExpenseOptions  ListOfExistingExpenses |
| 3 | Accountant provides the information | Wait for accountant to finish providing information | CreateExpenseOptions  ListOfExistingExpenses |
| 4 | Accountant confirms changes | System accepts the data and stores the data for later use | ListOfExistingExpenses |

**Successful Post-Conditions: Inserted data is used in future calculations such as Calculating profits**

**Scenario 2: Employee adds expense**

**Precondition: Employee purchases equipment and must be reported for future reimbursement**

| **Step#** | **Actor (Employee)** | **System** | **Data Used** |
| --- | --- | --- | --- |
| 1 | Actor selects add expense option | Displays options for adding an expense | Price  NameOfItem |
| 2 | Actor adds expense | System prompts actor for proper information | Price  NameOfItem |
| 3 | Actor provides the information | Wait for actor to finish providing information |  |
| 4 | Actor confirms changes | System accepts the data and notifies accountant for review and confirmation | Price  NameOfItem  AccountantContactInfo |
| 5 | Actor receives notice that the expense has been confirmed | Expense is added to the database by the accountant (see scenario 1) | Price  NameOfItem  ListOfExistingExpenses  EmployeeContactInfo |

**Successful Post-Conditions: Expense is added to the list of expenses to be used to calculate reimbursement when the employee receives their invoice.**