**COMSATS University Islamabad**

**Department of Computer Science**

**CSE304 Object Oriented Software Engineering**

**BS(SE) – Section 4A**

Class Assignment No.02

Project Title

***Bank Management System***

Submitted by:

Student 1

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Student 2

Ihtesham Mansoor (Sp18-BSE-112)

Submission Date:

01 – November – 2021

Front

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| **Class Name:** Account Owner | **ID:** 1 | | **Type:** Concrete |
| **Description:** A customer who has an account | | | **Associated Use Case:** 1, 2, 6. |
| **Responsibilities:**   * Add Account * Delete Account * Update Account | | **Collaborators:**   * Account * Account * Account | |

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| **Attributes:**   * Name:(String) * Account number:(INT) * Account owner:(String) * Amount(String) * Pin code:(INT) |
| **Relationship:**  **Associations:** |

Front

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| **Class Name:** Deposit Cash. | **ID:** 2 | | **Type:** Concrete |
| **Description:** Account holder of bank deposit cash | | | **Associated Use Case:** 3. |
| **Responsibilities:**   * Create Transaction * Start session * Get Amount, Pin, Number. * Deposit Cash | | **Collaborators:**   * Transaction * Session * Operation * Cash Depositor | |

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| **Attributes:**   * Account Number:(INT) * Amount:(INT) * PIN:(INT) |
| **Relationship:**  **Associations:** |

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| **Class Name:** Withdraw Cash. | **ID:** 3 | | **Type:** Concrete |
| **Description:** Account holder of bank Withdraw cash | | | **Associated Use Case:** 4. |
| **Responsibilities:**   * Create Transaction * Start session * Get Amount, Pin, Number. * Withdraw Cash | | **Collaborators:**   * Transaction * Session * Operation * Cash Withdrawer | |

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| **Attributes:**   * Account Number:(INT) * Amount:(INT) * PIN:(INT) |
| **Relationship:**  **Associations:** |

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| **Class Name:** Profit Check. | **ID:** 4 | | **Type:** Concrete |
| **Description:** accountant Check Profit on Account’s amount | | | **Associated Use Case:** 5. |
| **Responsibilities:**   * Create Transaction * Start session * Enter Amount, Pin, Account Number * Get Profit | | **Collaborators:**   * Transaction * Session * Operation * Profit | |

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| **Attributes:**   * Account Number:(INT) * Amount:(INT) * Profit:(INT) |
| **Relationship:**  **Associations:**   * **Account** |

Front

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| --- | --- | --- | --- |
| **Class Name:** Account Details. | **ID:** 5 | | **Type:** Concrete |
| **Description:** Account holder of bank View his account details | | | **Associated Use Case:** 7. |
| **Responsibilities:**   * Start session * Enter Amount, Pin, Number * Get Details | | **Collaborators:**   * Session * Operation * Account details | |

Back

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| **Attributes:**   * Name:(String) * Account number:(INT) * Account owner:(String) * Amount(String)   Pin code:(INT) |
| **Relationship:**  **Associations:**   * **Account** |

**THE END!**