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| General Information | |
| **Use Case Name\Number:** UC 200 Course Materials  **Subject Area:** Course Materials for BERT algorithm  **Description:** Professors can upload course materials to enhance the BERT algorithm and also as a helpful guide | **Responsible Analyst:** Jihyuk Chung |

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| Requirements/Feature Trace | |
| **REQ#** | Requirements Name and / or Short Description |
| 05 | Professor uploads the course materials |
| 10 | Users must be able to read and download course materials |
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| Revision History | | |
| Author | **Date** | **Comments** |
| Jihyuk Chung | Oct 05, 2020 | First Draft |
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| **Insertion Points in other Use Cases (Adds Only)** | | |
| Use Case Name | **Use Case Number** | **Step Inserted After** |
| N/A | N/A | N/A |
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| **Actors** | | |
| **Actor Name** | **Person/System** | **Brief Description** |
| Users (Students) | Person | Users with valid login can read the course materials |
| Users (Professors) |  | Users with valid login can upload the course materials |
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| **Pre-Conditions** | |
| **#** | **Description** |
| 1 | Welcome screen is displayed |
| 2 | User is logged in |
| 3 | User selects the course materials page |

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| **Start Stimulus** |
| User clicks the ‘Upload’ button |

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| **Use Case Main Course Steps** | | | |
| **Number** | **Description** | **Adds/Alt Name/Number** | **Bus Rule#** |
| 01 | User selects the course materials page |  |  |
| 02 | User uploads a document |  |  |
| 03 | User clicks upload more and uploads additional documents as needed |  |  |
| 04 | User submits the course materials |  |  |
| 05 | BERT algorithm is updated |  |  |
| 06 | User views and downloads the course materials |  |  |
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| **Exception Conditions** | | |
| **Exception Situations** | **Action(s) on Exception** | **Adds\Alt UC #** |
| Invalid file | System response with inability to find the file in the user’s system |  |
| File size too big | Chatbot response with inability to upload the file |  |
| No internet connection | Website/app shows an error message |  |
| No permission | Website/app response with permission required |  |

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| Post-Conditions | |
| **#** | **Description** |
| 1 | Course materials page is updated |
| 2 | BERT algorithm is updated (if needed) |

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| **Candidate Objects** | | |
| **Class/Object Name** | **Descriptions** | **Possible Attributes** |
| Users | Can upload and read or read course materials | UserID, Name, Email, Position |
| Materials | Storage for the uploaded course materials | MeterialID, Course ID |

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| **Assumptions** | | | | | |
| **#** | **Assumption** | **Date Raised** | **Raised By** | **Date Verified** | **Verified By** |
| 1 | Language is in English | Oct 5, 2020 | Chung |  |  |
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| **Issues** | | | | | |
| **#** | **Issue** | **Date Raised** | **Raised By** | **Date Verified** | **Verified By** |
| 1 | Need to upload file to the system | Oct 5, 2020 | Chung |  |  |
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| **Other Comments** | | |
| **Author** | **Comment** | **Date** |
| N/A | N/A | N/A |
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| Frequency of Execution (Upload) | | | | | |
| **Frequency:** | Minimum: N/A | Maximum: 20,000 | Average: N/A | (OR)Fixed: | |
| **Per:** | Hour: | Day: | Week: | Month: | Other: |

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| Frequency of Execution (Download) | | | | | |
| **Frequency:** | Minimum: N/A | Maximum: 50,000 | Average: N/A | (OR)Fixed: | |
| **Per:** | Hour: | Day: | Week: | Month: | Other: |

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| **Timing Information** | | | | | | | |
| **#** | **At/**  **Between** | **Step(s)** | **Timing**  **Unit** | **Minimum** | **Average** | **Maximum** | **Comments** |
| 1 | Between | (01) Load materials | S | N/A | N/A | 3 |  |
| 2 | Between | (02) Upload materials | S | N/A | N/A | 3 |  |
|  | Between | (05) Update algorithm | S | N/A | N/A | N/A | Background |
| 3 | Between | (06) Download materials | S | N/A | N/A | 5 |  |
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| **Volume Information** | | | | | | |
| **#** | **Step #** | **Unit of**  **Measure** | **Minimum** | **Average** | **Maximum** | **Comments** |
| 1 | 01 | Gigabyte | N/A | N/A | 5 | Maximum free Cloud Storage |
| 2 | 06 | Gigabyte | N/A | N/A | 1 | Download operation per day |
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| **Alternate Course General Information** | | |
| Alternate Course Name\Number: |  | |
| Description: |
| Reason for Execution: | Non Exception: | Exception: |

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| Insertion Point |
| Step Inserted After |
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| Pre-Conditions | |
| 1. |  |
| 2. |  |

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| Alternate Course Steps | | | |
| **#** | **Step Description** | **Adds Use Case #** | **Business Rule(s)#** |
| 1. |  |  |  |
| 2. |  |  |  |
| 3. |  |  |  |
| 4. |  |  |  |

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| Post-Conditions | |
| 1. |  |
| 2. |  |