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| --- |
| **INFO8231 Assignment 3 Section 03 Team 03**  *By signing below, I certify that I have fully complied with the INFO8230 Code of Honor.*  Student 1: Harit Thoriya  Student 2: Pankaj Valani  Student 3: Ramandeep Singh  Student 4: Kishan Bhalani  Student 5: Heet Raval |

**INFO8231**

**Team Assignment 3**

**Task 1A:** Student Team Management Subsystem **(STMS)**

|  |  |  |
| --- | --- | --- |
| **Class** | **Attribute** | **Synonym** (optional) |
| Student |  | (extends User) |
|  | studentID {key} |  |
|  | studentProgramIntake |  |
|  | studentProgram |  |
| StudentTeam |  |  |
|  | teamID {key} |  |
|  | studentIDs |  |
|  | facultyID |  |
|  | teamStatus |  |
| Faculty |  | (extends User) |
|  | facultyID {key} | facultyNumber |
|  | facultyTeam |  |
| Program |  |  |
|  | programID {key} | programCode |
|  | programName |  |
|  | programDuration |  |
| User |  |  |
|  | userFirstName |  |
|  | userMiddleName |  |
|  | userLastName |  |
|  | userContactNo1 |  |
|  | userContactNo2 |  |
|  | userEmail |  |
|  | userAddress1 | addressID1 |
|  | userAddress2 | addressID2 |
| Address |  |  |
|  | addressID {key} |  |
|  | addressStreetName |  |
|  | addressCity |  |
|  | addressProvince |  |
|  | addressCountry |  |
|  | addressPin |  |

**Task 1B:** Capstone Project Matching Subsystem **(CPMS)**

|  |  |  |
| --- | --- | --- |
| **Class** | **Attribute** | **Synonym** (optional) |
| Project |  | ApprovedProject |
|  | projectID {key} |  |
|  | projectName |  |
|  | projectStatus |  |
|  | clientID |  |
| StudentTeamProjectApplication |  | ProjectApplication |
|  | applicationID {key} |  |
|  | applicationDateTime |  |
|  | teamID |  |
|  | projectID |  |
|  | applicationStatus |  |
| Client |  | (extends User) |
|  | clientID {key} | clientNumber |
|  | clientCompany |  |
|  | clientWebsite |  |
| ProjectFile |  |  |
|  | projectFileID {key} |  |
|  | projectFileName |  |
|  | projectID |  |

**Task 2: ITCPA Domain Class Diagram (DCD)**

A diagram of a computer program

Description automatically generated

**Task 3A: ITCPA StudentTeamProjectApplication State Table**

|  |  |  |
| --- | --- | --- |
| **State ID** | **State Name** | **Transition Causing Exit** |
| S01 | Draft | Provide Project Application |
| S02 | Registered | Application is Submitted |
| S03 | Approved | Application is approved by client |
| S04 | Declined | Application is rejected by client |
| S05 | Received | Faculty receives application and made decision |
| S06 | Matched | Application is matched by faculty |
| S07 | Rejected | Application is declined by faculty |
| S08 | Expired | Application is expired due to time limit |
| S09 | Cancelled | Application is cancelled by student team |

**Task 3B: ITCPA StudentTeamProjectApplication State Machine Diagram**

A diagram with blue rectangles

Description automatically generated