| Inbuilt Classes, Methods and Properties | | | | | | | |
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| **S.N.** | **Class's Name** | **Method** | | **Properties** | **Reason for use of the Class/Method/Properties** | | |
| | | **Name** | **Data Type** | | **Properties** | **Method** | **Class** |
| 1. | ClassAwardingBody | ManageAwardingBody | int | int AwardingBodyId,<br>String AwardingBodyName,<br>String AwardingBodyDescription,<br>int Mode,<br>int result,<br>string query | Each variable will be used as values to be inserted, deleted from the table. Value of these variable will be according to value parameterized by logic class.<br>Result will be used to count the number of rows effected after performing sql action.<br>Mode will be used for selecting the action between insert, delete or update.<br>query will be used for saving sql queries and different query will be executed according to the value of Mode. | Parameter can be passed to this method from other class from logic layer and perform sql database action like inser, delete and update in Awarding body table of database. | For database operation like insert, update and delete in the database table related to the Awarding Body. |
| | | SelectAllAwardingBody | DataTable | DataTable dt,<br>Sqlreader dr | dr will be used for loading data in dt datatable. This table will be used as source for grid view and combo boxes. | load data of Awarding body table of database into DataTable so it can be used as data source for grid view. | |

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| 2. | ClassBatch | ManageBatch | Int | int BatchId, String BatchName, String BatchDesc, int Mode, int result, string batch | Each variable will be used as values to be inserted, deleted from the table. Value of these variable will be according to value parameterized by logic class.<br>Result will be used to count the number of rows effected after performing sql action.<br>Mode will be used for selecting the action between insert, delete or update.<br>query will be used for saving sql queries and different query will be executed according to the value of Mode. | Parameter can be passed to this method from other class from logic layer and perform sql database action like inser, delete and update in batch table of the database. | For database operation like insert, update and delete in the database table related to the |
| | | SelectAllBatch | Datatable | DataTable dt, SqlReader dr | dr will be used for loading data in dt datatable. This table will be used as source for grid view and combo boxes. | load data of batch table of database into DataTable so it can be used as data source for grid view. | |
| 3. | ClassDataAccess | FacultyManagement | Int | int FacultyId,string FacultyName, string FacultyDesc,int Mode, int result,<br>string faculty | Each variable will be used as value to be inserted, deleted from the table. Value of these variable will be according to value parameterized by logic class. | Parameter can be passed to this method from other class from logic layer and perform sql database action like inser, delete and update in | For database operation like insert, update and delete in the database table related to the |

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| | | | | | Result will be used to count the number of rows effected after performing sql action.<br>Mode will be used for selecting the action between insert, delete or update.<br>query will be used for saving sql queries and different query will be executed according to the value of Mode. | faculty table of the database. | |
| | | SelectFaculties | DataTable | DataTable dt, SqlReader dr | dr will be used for loading data in dt datatable. This table will be used as source for grid view and combo boxes. | load data of faculty table of database into DataTable so it can be used as data source for grid view. | |
| 4. | ClassFeeManagement | FirstYearFeeManagement( | Int | int FeeYearId,string FacultyName, double FirstYearAdmission, double FirstYearResource, double FirstYearRegistration, double FirstYearFirstInstallment, double FirstYearSecondInstallment, double FirstYearThirdInstallment, int Mode, int result, string query | Each variable will be used as values to be inserted, deleted from the table. Value of these variable will be according to value parameterized by logic class.<br>Result will be used to count the number of rows effected after performing sql action.<br>Mode will be used for selecting the action between insert, delete or | Parameter can be passed to this method from other class from logic layer and perform sql database action like inser, delete and update in first year fee table of the database. | For database operation like insert, update and delete in the database table related to the |

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| | | | | | update.<br>query will be used for saving sql queries and different query will be executed according to the value of Mode. | | |
| | | GetAllFirstYearFeeDetails | DataTable | DataTable dt, SqlReader dr | dr will be used for loading data in dt datatable. This table will be used as source for grid view and combo boxes. | load data of First year fee table of database into DataTable so it can be used as data source for grid view. | |
| | | SecondYearFeeManagement | Int | int SecondYearFeeId, string Faculty, double SecondYearAdmissionFee, double SecondYearResourceFee, double SecondYearRegistrationFee, double SecondYearFirstInstallmentFee, double SecondYearSecondInstallmentFee, double SecondYearThirdInstallmentFee, int Mode, int result, string query | Each variable will be used as values to be inserted, deleted from the table. Value of these variable will be according to value parameterized by logic class.<br>Result will be used to count the number of rows effected after performing sql action.<br>Mode will be used for selecting the action between insert, delete or update.<br>query will be used for saving sql queries and different query will be executed according to the value of Mode. | Parameter can be passed to this method from other class from logic layer and perform sql database action like inser, delete and update in Second year fee table of the database. | For database operation like insert, update and delete in the database table related to the |
| | | GetAllSecondYearFeeD | DataTabl | DataTable dt, | | load data of | |

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| | | etails | e | SqlReader dr | | Second year fee table of database into DataTable so it can be used as data source for grid view. | |
| | | ThirdYearFeeManagement | Int | int ThirdYearFeeId, string Faculty, double ThirdYearAdmissionFee, double ThirdYearResourceFee, double ThirdYearRegistrationFee, double ThirdYearFirstInstallmentFee, double ThirdYearSecondInstallmentFee, double ThirdYearThirdInstallmentFee, int Mode, int result, string query | Each variable will be used as values to be inserted, deleted from the table. Value of these variable will be according to value parameterized by logic class.<br>Result will be used to count the number of rows effected after performing sql action.<br>Mode will be used for selecting the action between insert, delete or update.<br>query will be used for saving sql queries and different query will be executed according to the value of Mode. | l Parameter can be passed to this method from other class from logic layer and perform sql database action like inser, delete and update in Third year fee table of the database. | For database operation like insert, update and delete in the database table related to the |
| | | GetAllThirdYearFeeDetails | DataTable | DataTable dt, SqlReader dr | dr will be used for loading data in dt datatable. This table will be used as source for grid view and combo boxes. | load data of Third year fee table of database into DataTable so it can be used as data source for grid view. | |
| | | GetFirstYearFeeDetails | DataTabl | String Facutly | dr will be used for | | |

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| | | ByFaculty | e | DataTable dt, SqlReader dr | loading data in dt datatable. This table will be used as source for grid view and combo boxes. | | |
| | | GetSecondYearFeeDetaiIsByFaculty | DataTabl e | String Facutly DataTable dt, SqlReader dr | dr will be used for loading data in dt datatable. This table will be used as source for grid view and combo boxes. | | |
| | | GetThirdYearFeeDetails ByFaculty | DataTabl e | String Facutly DataTable dt, SqlReader dr | dr will be used for loading data in dt datatable. This table will be used as source for grid view and combo boxes. | | |
| 9. | ClassDataB aseConnecti on | DbConnection | string | | Each variable will be used as values to be inserted, deleted from the table. Value of these variable will be according to value parameterized by logic class.<br>Result will be used to count the number of rows effected after performing sql action.<br>Mode will be used for selecting the action between insert, delete or update.<br>query will be used for saving sql queries and different query will be executed according to the value of Mode. | This will be used for maintaining data connection with the database and application and generate data connection string. This method will be called to establish database connection. | |

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| 10. | ClassFeeTransaction | FeePayment | Int | int PaymentId, String StudentCode, String Faculty, String YearForPayment, double ScholarshipPercentage, double AnnualDiscount, double SpecialDiscount, double TaxDiscount, double MOERegistration, double TotalAmount, double TotalPaidAmount, double DueAmount,int result, string query | Each variable will be used as values to be inserted, deleted from the table. Value of these variable will be according to value parameterized by logic class.<br>Result will be used to count the number of rows effected after performing sql action.<br>Mode will be used for selecting the action between insert, delete or update.<br>query will be used for saving sql queries and different query will be executed according to the value of Mode. | Parameter can be passed to this method from other class from logic layer and perform sql database action like inser, delete and update in Fee payment table of the d tabase. | For database operation like insert, update and delete in the database table related to the |
| | | GetAllFeePaidDetails | DataTable | DataTable dt, SqlReader dr | dr will be used for loading data in dt datatable. This table will be used as source for grid view and combo boxes. | load data of Feepayment table of database into DataTable so it can be used as data source for grid view. | |
| 11. | ClassInquiry | NewInquiry | Int | int StudentId, String StudentName, String Address, String Contact, String InterestedProgram, DateTime VisitedDate, int Mode, int result, string query | Each variable will be used as values to be inserted, deleted from the table. Value of these variable will be according to value parameterized by logic | Parameter can be passed to this method from other class from logic layer and perform sql database action like inser, delete | For database operation like insert, update and delete in the database table related to the |

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| | | | | | class.<br>Result will be used to count the number of rows effected after performing sql action.<br>Mode will be used for selecting the action between insert, delete or update.<br>query will be used for saving sql queries and different query will be executed according to the value of Mode. | and update in inquiry table of the database. | |
| | | GetAllInquiry | DataTable | DataTable dt, SqlReader dr | dr will be used for loading data in dt datatable. This table will be used as source for grid view and combo boxes. | load data of inquiry table of database into DataTable so it can be used as data source for grid view. | |
| 12. | ManageRole | ManageRole | int | int RoleId, String RoleName, String RoleDesc, int Mode, int result, string query | Each variable will be used as values to be inserted, deleted from the table. Value of these variable will be according to value parameterized by logic class.<br>Result will be used to count the number of rows effected after performing sql action.<br>Mode will be used for selecting the action | load data of role table of database into DataTable so it can be used as data source for grid view. | |

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| | | | | | between insert, delete or update.<br>query will be used for saving sql queries and different query will be executed according to the value of Mode. | | |
| | | GetAllRoles | DataTable | | dr will be used for loading data in dt datatable. This table will be used as source for grid view and combo boxes. | load data of role table of database into DataTable so it can be used as data source for grid view. | |
| 13. | ClassUserManagement | | Int | int UserId, String RoleName, String UserName, String Password, String UserDesc, int Mode, int result, string query | Each variable will be used as values to be inserted, deleted from the table. Value of these variable will be according to value parameterized by logic class.<br>Result will be used to count the number of rows effected after performing sql action.<br>Mode will be used for selecting the action between insert, delete or update.<br>query will be used for saving sql queries and different query will be executed according to the value of Mode. | Parameter can be passed to this method from other class from logic layer and perform sql database action like inser, delete and update in user table of the database. | For database operation like insert, update and delete in the database table related to the |
| | | SelectAllUsers | DataTabl | DataTable dt, | | load data of user | |

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| | | | e | SqlReader dr | | table of database database into DataTable so it can be used as data source for grid view. | |
| 14. | ClassStudentManagement | | Int | int StudentId,<br>String Faculty,<br>String BatchNumber,<br>String AwardingBody,<br>String Semester,<br>String StudentName,<br>String DateOfBirth,<br>String Gender,<br>String Address,<br>String Contact,<br>String GuardianName,<br>String GuardianAddress,<br>String GuardianContact,<br>String Status, int Mode, int result, string query | Each variable will be used as values to be inserted, deleted from the table. Value of these variable will be according to value parameterized by logic class.<br>Result will be used to count the number of rows effected after performing sql action.<br>Mode will be used for selecting the action between insert, delete or update.<br>query will be used for saving sql queries and different query will be executed according to the value of Mode. | | For database operation like insert, update and delete in the database table related to the |
| | | SelectStudentByCode | DataSet | StudentCode | | | |
| | | SelectAllStudents | DataTable | DataTable dt,<br>SqlReader dr | dr will be used for loading data in dt datatable. This table will be used as source for grid view and combo boxes. | load data of student table of database into DataTable so it can be used as data source for grid view. | |
| 15. | BusinessLo | FacultyManagement | | int FacultyId, string | Each variable will be | Parameter can be | For database |

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| | gicClass | | | FacultyName, string FacultyDesc, int Mode, int rs, bool result | used as values to be parameterize to data access class. Value of these variables will be according to value of related text boxes in user presenation layer. | passed to this method from other class to make necessary validation and take input from user layer related to Faculty. | operation validation like if insert, update and delete really took place or not in faculty table of the database. |
| | | ManageBatch | bool | int BatchId, String BatchName, String BatchDesc, int Mode, int rs, bool result | Each variable will be used as values to be parameterize to data access class. Value of these variables will be according to value of related text boxes in user presenation layer. | Parameter can be passed to this method from other class to make necessary validation and take input from user layer related to Batch. | For database operation validation like if insert, update and delete really took place or not in batch table of the database. |
| | | ManageRole | bool | int RoleId, String RoleName, String RoleDesc, int Mode, int rs, bool result | Each variable will be used as values to be parameterize to data access class. Value of these variables will be according to value of related text boxes in user presenation layer. | Parameter can be passed to this method from other class to make necessary validation and take input from user layer related to Role. | For database operation validation like if insert, update and delete really took place or not in Role table of the database. |
| | | ManageUser | bool | int UserId, String RoleName, String UserName, String Password, String UserDesc,, int rs, bool result | Each variable will be used as values to be parameterize to data access class. Value of these variables will be according to value of related text boxes in user presenation layer. | Parameter can be passed to this method from other class to make necessary validation and take input from user layer related to User. | For database operation validation like if insert, update and delete really took place or not in user table of the database. |

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| | | ManageAwardingBody | bool | , int rs, bool result | Each variable will be used as values to be parameterize to data access class. Value of these variables will be according to value of related text boxes in user presenation layer. | Parameter can be passed to this method from other class to make necessary validation and take input from user layer related to AwardingBody. | For database operation validation like if insert, update and delete really took place or not in awarding body table of the database. |
| | | ManageStudent | bool | int StudentId,<br>String Faculty,<br>String BatchNumber,<br>String AwardingBody,<br>String Semester,<br>String StudentName,<br>String DateOfBirth,<br>String Gender,<br>String Address,<br>String Contact,<br>String GuardianName,<br>String GuardianAddress,<br>String GuardianContact,<br>String Status, int Mode,, int rs, bool result | Each variable will be used as values to be parameterize to data access class. Value of these variables will be according to value of related text boxes in user presenation layer. | Parameter can be passed to this method from other class to make necessary validation and take input from user layer related to Student. | For database operation validation like if insert, update and delete really took place or not in managestudent table of the database. |
| | | FirstYearFeeManagement | bool | int FeeYearId,string FacultyName, double FirstYearAdmission, double FirstYearResource, double FirstYearRegistration, double FirstYearFirstInstallment, double FirstYearSecondInstallment, double | Each variable will be used as values to be parameterize to data access class. Value of these variables will be according to value of related text boxes in user presenation layer. | Parameter can be passed to this method from other class to make necessary validation and take input from user layer related to FirstYearfee. | For database operation validation like if insert, update and delete really took place or not in First year management table of the database. |

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| | | | | FirstYearThirdInstallment, int Mode, int rs, bool result | | | |
| | | SecondearFeeManagement | bool | int SecondYearFeeId, string Faculty, double SecondYearAdmissionFee, double SecondYearResourceFee, double SecondYearRegistrationFee, double SecondYearFirstInstallmentFee, double SecondYearSecondInstallmentFee, double SecondYearThirdInstallmentFee, int Mode, int rs, bool result | Each variable will be used as values to be parameterize to data access class. Value of these variables will be according to value of related text boxes in user presenation layer. | Parameter can be passed to this method from other class to make necessary validation and take input from user layer related to Second year Fee. | For database operation validation like if insert, update and delete really took place or not in Second year management table of the database. |
| | | ThirdYearManagement | bool | int ThirdYearFeeId, string Faculty, double ThirdYearAdmissionFee, double ThirdYearResourceFee, double ThirdYearRegistrationFee, double ThirdYearFirstInstallmentFee, double ThirdYearSecondInstallmentFee, double ThirdYearThirdInstallmentFee, int Mode, int rs, bool result | Each variable will be used as values to be parameterize to data access class. Value of these variables will be according to value of related text boxes in user presenation layer. | Parameter can be passed to this method from other class to make necessary validation and take input from user layer related to Third year fee. | For database operation validation like if insert, update and delete really took place or not in third year management table of the database. |
| | | FeePayment | bool | int PaymentId, String StudentCode, String Faculty, String | Each variable will be used as values to be parameterize to data | Parameter can be passed to this method from other | For database operation validation like if |

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| | | | | YearForPayment, double ScholarshipPercentage, double AnnualDiscount, double SpecialDiscount, double TaxDiscount, double MOERegistration, double TotalAmount, double TotalPaidAmount, double DueAmount, int rs, bool result | access class. Value of these variables will be according to value of related text boxes in user presenation layer. | class to make necessary validation and take input from user layer related to Fee Payment. | insert, update and delete really took place or not in FeePayment Table of the database. |
| | | NewInquiry | bool | int StudentId, String StudentName, String Address, String Contact, String InterestedProgram, DateTime VisitedDate, int rs, bool result | Each variable will be used as values to be parameterize to data access class. Value of these variables will be according to value of related text boxes in user presenation layer. | Parameter can be passed to this method from other class to make necessary validation and take input from user layer related to New Inquiry. | For database operation validation like if insert, update and delete really took place or not in inquiry Table of the database. |