1. UserDAO

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Class** | **UserDAO** | | | |
| **Description** | This class excute all authorization to database | | | |
| **Base Class** | N/A | | | |
| **Constructor** | UserDAO | | | |
| **Prototype** | N/A | | | |
| **Source File** | UserDAO.cs | | | |
| **Attributes** | N/A | | | |
| **Methods** | **Name** | **Input** | **Output** | **Description** |
| GetUser | string username, string password | Account | Get account from database to check in login. |
| GetRole | int staffId | int | Get role of staff from database |
| GetAuthorize | int staffId | List<Case\_Staff> | Get all id of case of staff to check Authorize from database |

1. UserControlDAO

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Class** | UserControlDAO | | | |
| **Description** | This class excute to get notification of staff about event and calendar from database | | | |
| **Base Class** | N/A | | | |
| **Constructor** | UserControlDAO | | | |
| **Prototype** | N/A | | | |
| **Source File** | UserControlDAO.cs | | | |
| **Attributes** | N/A | | | |
| **Methods** | **Name** | **Input** | **Output** | **Description** |
| GetOperationEventByStaffId | int staffId | List<OperationalEvent> | System excute to get operation event by staff id from database. |
| GetCalendarEventByStaffId | int staffId | int | System excute to get calendar event by staff id from database |

1. OfficeDAO

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Class** | **OfficeDAO** | | | |
| **Description** | This class excute all action of office to database | | | |
| **Base Class** | N/A | | | |
| **Constructor** | OfficeDAO | | | |
| **Prototype** | N/A | | | |
| **Source File** | OfficeDAO.cs | | | |
| **Attributes** | N/A | | | |
| **Methods** | **Name** | **Input** | **Output** | **Description** |
| GetActiveOffice | N/A | List<Office> | System excute to get all active office from database |
| GetRole | N/A | List<Office> | System excute to get all office from database. |
| GetOfficeStaff | N/A | List<Office> | System excute to get all active office from database. |
|  | GetOfficeByID | int offId | Office | System excute to get office by office id from database. |
|  | AddOffice | string offName, string offManager, string offTaxcode, string offAdd,  string offPhone, string offFax, string offEmail, string offWebsite, string offbankAccount, string offbankName | bool | System excute to add new office to database. |
|  | UpdateOffice | int offId,  string offName, string offManager, string offTaxcode, string offAdd, string offPhone, string offFax, string offEmail, string offWebsite, string offbankAccount, string offbankName | bool | System excute to update an office to database. |
|  | SetStatusOffice | int id | String | System excute to set the active of office to database. |
|  | CheckExistOfficeName | string txtOfficename | bool | System excute to check the name of office of office from database. |

1. ServiceDAO

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Class** | **OfficeDAO** | | | |
| **Description** | This class excute all action of service to database | | | |
| **Base Class** | N/A | | | |
| **Constructor** | ServiceDAO | | | |
| **Prototype** | N/A | | | |
| **Source File** | ServiceDAO.cs | | | |
| **Attributes** | N/A | | | |
| **Methods** | **Name** | **Input** | **Output** | **Description** |
| GetAllService | N/A | List<Service> | System excute to get all service from database. |
| GetAllServiceJson | N/A | List<Object> | System excute to get all service type from database. |
| GetServiceByID | int id | Service | System excute to get service by id from database. |
|  | AddService | string name, string description, int typeId | bool | System excute to add new service to database. |
|  | UpdateService | int id, string name, string description, int typeId | bool | System excute to update an service to database. |
|  | DeleteService | int id | bool | System excute to delete a service to database. |
|  | GetAllServiceType | N/A | List<ServiceType> | System excute to get all service type from database. |
|  | GetAllServiceTypeJson | N/A | List<Object> | System excute to get all service from database. |
|  | GetServiceTypeByID | int id | ServiceType | System excute to get service type by id from database. |
|  | AddServiceType | string name, string description | bool | System excute to add new service type to database. |
|  | UpdateServiceType | int id, string name, string description | bool | System excute to update a service type to database. |
|  | DeleteServiceType | int id | bool | System excute to delete a service type to database. |

1. HomeDAO

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Class** | **HomeDAO** | | | |
| **Description** | This class excute all action in Home view to database | | | |
| **Base Class** | N/A | | | |
| **Constructor** | HomeDAO | | | |
| **Prototype** | N/A | | | |
| **Source File** | HomeDAO.cs | | | |
| **Attributes** | N/A | | | |
| **Methods** | **Name** | **Input** | **Output** | **Description** |
| GetAllCalendarEvent | N/A | List<CalendarEvent> | System excute to get all calendar event from database |
| GetCalendarEventById | int id | CalendarEvent | System excute to get calendar event by id from database. |
| GetAllStaffCalendar | int staffId, DateTime startDt, DateTime endDt | List<Object> | System excute to get calendar event of staff by staff id from database. |
|  | GetAllStaffCalendarInOE | int staffId, DateTime startDt, DateTime endDt | List<Object> | System excute to get operation event of staff by staff id from database. |
|  | GetAllSelectStaff | int staffId | List<Object> | System excute to get account and password from database. |
|  | AddCalendarEvent | int staffId, string title, DateTime startTime, DateTime endTime, string className | int | System excute to add new a calendar event to database. |
|  | UpdateCalendarEvent | int id, string title, DateTime startTime, DateTime endTime, string className, string type | bool | System excute to update a calendar or operation event to database. |
|  | DeleteCalendarEvent | int calendarId, string type | bool | System excute to delete a calendar or anoperation event to database. |
|  | getStaffIdByCalId | int calId, string type | int | System excute to get calendar or operation event by calendar id from database. |

1. CaseDAO

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Class** | **CaseDAO** | | | |
| **Description** | This class excute all action of Case to database | | | |
| **Base Class** | N/A | | | |
| **Constructor** | CaseDAO | | | |
| **Prototype** | N/A | | | |
| **Source File** | CaseDAO.cs | | | |
| **Attributes** | N/A | | | |
| **Methods** | **Name** | **Input** | **Output** | **Description** |
| GetCases | int displayNum, int orderKey, string orderType, int pageNum, string code,List<String> author | object | System excute to get all case after sort from database. |
| GetCaseById | int id | Case | System excute to get case by case id from database. |
| GetAssignedCases | int staffId | List<Case> | System excute to get all case of staff y staff id from database. |
|  | AddCase | string caseCode, int creatorId, string receiptDate, string caseContent, int officeId | string | System excute to add new a case to database. |
|  | UpdateCaseDetail | int caseId, string receiptDate, int officeId, string status, string caseContent, string disputeSubject, string disputeRelation, string limitationStatute, string legalEvent, string errorFactor | bool | System excute to update a case to database. |
|  | DeleteService | int id | bool | System excute to delete a service to database. |
|  | UpdateLawyerViewpoint | int caseId, string protectiveGoal, string openingProcedure, string inquiryProcedure, string argumentProcedure | bool | System excute to update view point of lawyer to database. |
|  | CheckExistCaseCode | string caseCode | bool | System excute to check exist casecode from database. |
|  | GetCaseByCaseCode | string caseCode | Case | System excute to get case by casecode from database. |
|  | GetCaseCustomerById | int id | Case\_Customer | System excute to get case of customer from database. |
|  | RemoveCustomerRelated | int id | bool | System excute to remove customer from a case to database. |
|  | CheckExistCaseCustomer | int caseId, int customerId | bool | System excute to check exist customer of case from database. |
|  | AddCaseCustomer | int caseId, int customerId | bool | System excute to add new casecustomer to database. |
|  | GetCaseStaffById | int id | Case\_Staff | System excute to get casestaff from database. |
|  | RemoveLawyerRelated | int id | bool | System excute to remove lawyer from case to database |
|  | CheckExistCaseStaff | int caseId, int staffId | bool | System excute to check exist case staff from database |
|  | AddCaseStaff | int caseId, int staffId | bool | System excute to add new a case staff to database |
|  | GetAllSubjects | int caseId | List<Subject> | System excute to get all subjects of case from database. |
|  | AddSubject | string subjectName, string litigationCapacity, string address, string phoneNumber, string email, int caseId | bool | System excute to add new a subjects of case to database. |
|  | GetSubjectById | int id | Subject | System excute to get subjects by subject id from database |
|  | DeleteSubject | int id | bool | System excute to remove a subject to database. |
|  | UpdateSubject | int subjectId, string subjectName, string litigationCapacity, string address, string phoneNumber, string email | bool | System excute to update a subject to database. |
|  | GetCreatorId | int caseId | string | System excute to get creator id of case from database |
|  | GetCaseIdByCaseCusId | int caseCusId | int | System excute to get case id of case by case customer id from database |
|  | GetCaseIdByCaseStaffId | int caseStaffId | int | System excute to get case id of case by case staff id from database |
|  | GetStaffIdByCaseStaffId | int caseStaffId | Int | System excute to get staff id of case by case staff id from database |
|  | GetCaseIdBySubjectId | int subjectId | int | System excute to get case id of case by subject id from database |
|  | EditOperationalEvent | string bdate, string content, int oEventId, string edate, string title | bool | System excute to edit operation event of case to database |
|  | NewOperationalEvent | string beginTime, string content, int caseId, string endTime, int staffId, string title | int | System excute to add new operation event of case to database |
|  | DeleteOperationalEvent | int operationalEventId | bool | System excute to delete operation event of case to database |
|  | GetCreatorIdByEventId | int oEventId | int | System excute to get creator id by operation id from database |
|  | UpdateCost | int caseId | object | System excute to update cost of case to database. |
|  | AddInvoice | int caseId, int serviceCost, string txtDescription, string datePickerService, string serviceName | bool | System excute to new invoice of case to database. |
|  | AddPayment | int caseId, int paymentCost, string txtDescription, string datePickerPayment | bool | System excute to add new payment of case to database. |
|  | DeleteInvoice | int invoiceId | bool | System excute to delete invoice of case to database. |
|  | DeletePayment | int paymentId | bool | System excute to delete payment of case to database. |
|  | UpdateInvoice | int invoiceId, int serviceCost, string txtDescription, string datePickerService | bool | System excute to update invoice of case to database. |
|  | UpdatePayment | int paymentId, int paymentMoney, string txtDescription, string datePickerPayment | bool | System excute to update payment of case to database. |
|  | GetCaseIdByInvoiceId | int invoiceId | int | System excute to get case id by invoice id from database. |
|  | GetCaseIdByPaymentId | int paymentId | int | System excute to get case id by payment id from database. |
|  | GetListUsernameByStaffId | List<int> slist | List<Account> | System excute to get list username of staff by list of staff id from database. |

1. StaffDAO

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Class** | **StaffDAO** | | | |
| **Description** | This class excute all action of Staff to database | | | |
| **Base Class** | N/A | | | |
| **Constructor** | StaffDAO | | | |
| **Prototype** | N/A | | | |
| **Source File** | StaffDAO.cs | | | |
| **Attributes** | N/A | | | |
| **Methods** | **Name** | **Input** | **Output** | **Description** |
| GetAllStaff | N/A | List<Staff> | System excute to get all staff from database. |
| GetAllRoleJson | N/A | List<Role> | System excute to get all role from database. |
| GetAllGroupJson | N/A | List<StaffGroup> | System excute to get all group of staff from database. |
|  | GetStaffByID | int staffId | Staff | System excute to get staff by staff id from database. |
|  | GetLawyerByOffice | int offId | List<Staff> | System excute to get lawyer by office id from database. |
|  | GetStaffInfoByID | int staffInfoId | int | System excute to get staff infomation by id from database. |
|  | GetStaffOfficeByID | int staffOffId | List<Office\_Staff> | System excute to get staff office by id from database. |
|  | GetStaffGroupById | int staffGroupId | StaffGroup | System excute to get staff group by id from database. |
|  | GetStaffRoleById | int staffGroupId | Role | System excute to get staff role by id from database. |
|  | AddStaff | string staffName, string staffPos, int roleId, int staffGroupId, string txtStaffHome, string txtStaffIdenNum, string txtStaffEmail, string txtStaffBankBranch, string txtStaffPhone, string txtStaffImage, string txtStaffSex, string txtStaffAdd, string txtStaffDayofbith, string txtStaffPlacebirth,  string txtStaffIdenDay, string txtStaffIdenPlace, string txtStaffTax, string txtStaffBankNum, string txtUsername, int txtAppendantPeople, string txtPass, String[] cboOffice | bool | System excute to add new staff to database. |
|  | CheckPassword | int staffId, string password | bool | System excute to check password of staff from database. |
|  | UpdateStaffPass | int staffId, string passMd5 | bool | System excute to update password of staff to database. |
|  | ResetStaffPass | int staffId, string passMd5 | bool | System excute to reset password of staff to database. |
|  | UpdateStaff | int staffId, string staffName, string staffPos, int roleId, int staffGroupId, string txtStaffHome, string txtStaffIdenNum, string txtStaffEmail, string txtStaffBankBranch,  string txtStaffPhone, string txtStaffImage, string txtStaffSex, string txtStaffAdd, string txtStaffDayofbith, string txtStaffPlacebirth,  string txtStaffIdenDay, string txtStaffIdenPlace, string txtStaffTax, string txtStaffBankNum,int detailAppendantPeople, String[] newOffList | bool | System excute to update informtion of staff to database. |
|  | CheckExistUserName | string txtUsername | bool | System excute to check username of staff from database. |
|  | CheckExistGroupName | string txtCheckGroupName | bool | System excute to check group name of staff from database. |
|  | SetStatusStaff | int staffId | String | System excute to set status of staff to database. |
|  | AddStaffGroup | string staffGroupName, string staffGroupDetail, double txtBaseSalary | bool | System excute to add new group of staff to database. |
|  | UpdateStaffGroup | int StaffGrId, string staffGrName, string staffGrDetail, double txtEditMoney | bool | System excute to update group of staff to database. |
|  | DeleteStaffGroup | int staffGroupId | bool | System excute to delete group of staff to database. |
|  | GetOfficeHasCaseInWork | List<int> listCase | List<int> | System excute to get office in work from database. |