**Detail Design**

**On**

**“All Types Of Tax and Business License Revenue Management’’**

**Software Engineering and Information System Project**

**[ CSE 3204]**

**Submitted To: -**

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**Class :User**

Boolean CreateUser (String FirstName,String MiddleName, String LastName,String Email, String PhoneNum , String NID)

Boolean Request\_BusinessOrg(String userID,String OrgID)

Boolean Request\_License(String organizationID,String LicensID)

List<User>getUserList()

List<User>getOwnerList(String OrgID)

List<User>getLicenseAuthorityList(String LicenseAuthorityID)

List<User>getTaxAuthorityList(String TaxAuthorityID)

boolean DeleteUser (String userID)

User ViewProfile(String userID)

User EditProfile(String userID)

**Class : Business Organization**

Boolean Create\_A\_org(String Name,String Type,

List <User> Owners ,String Email, String PhoneNum, List<License> Licenses List <Tax> allTaxes )

Boolean Request\_License(String organizationID,String LicensNameID)

Boolean Approve\_Owners(String organizationID,String userID)

String ReadLicenseStatus(String organizationID,LicenseID)

String ReadTax (String organizationID,LicenseID)

User ViewOrg(String orgID)

User EditOrg(String orgID)

**Class : License Authority**

Boolean CreateLicense(String orgID, String startDate,ExpDate,boolean ApprovalStatus)

Boolean ApproveALicense(String organizationID)

String ReadLicenseStatus(String organizationID)

String ReadTax (String organizationID,String TaxID)

User ViewLicesnse(String orgID)

User EditLicense(String orgID)

Boolean Create\_A\_Authority(String Name,String Type,

List <User> Admins ,String Email, String PhoneNum)

**Class : Tax Authority**

double Tax(String orgId, double revenueAmount, double taxRate)

Boolean Payment(String orgId, double revenueAmount,paidAmount)

Boolean CreateTax(String orgID, String startDate,ExpDate,boolean ApprovalStatus, String TaxAmount )

String ReadTaxStatus(String organizationID)

User ViewTax(String orgID)

User EditTax(String orgID)

Boolean Create\_A\_Authority(String Name,String Type,

List <User> Admins ,String Email, String PhoneNum)

**Class : Product**

Boolean CreateProduct (int ProductId, String Type,boolean isVat,double Price,String category)

String getBill(List <Product> x, List <int> Amount)

List<Product> getTax(Product x, int Amount)

String fixTaxAmount(Product x, String category )