Secure Question Bank
"UML Class Diagram"
Assignment
SWE-331
Object Oriented Software Development - Project II

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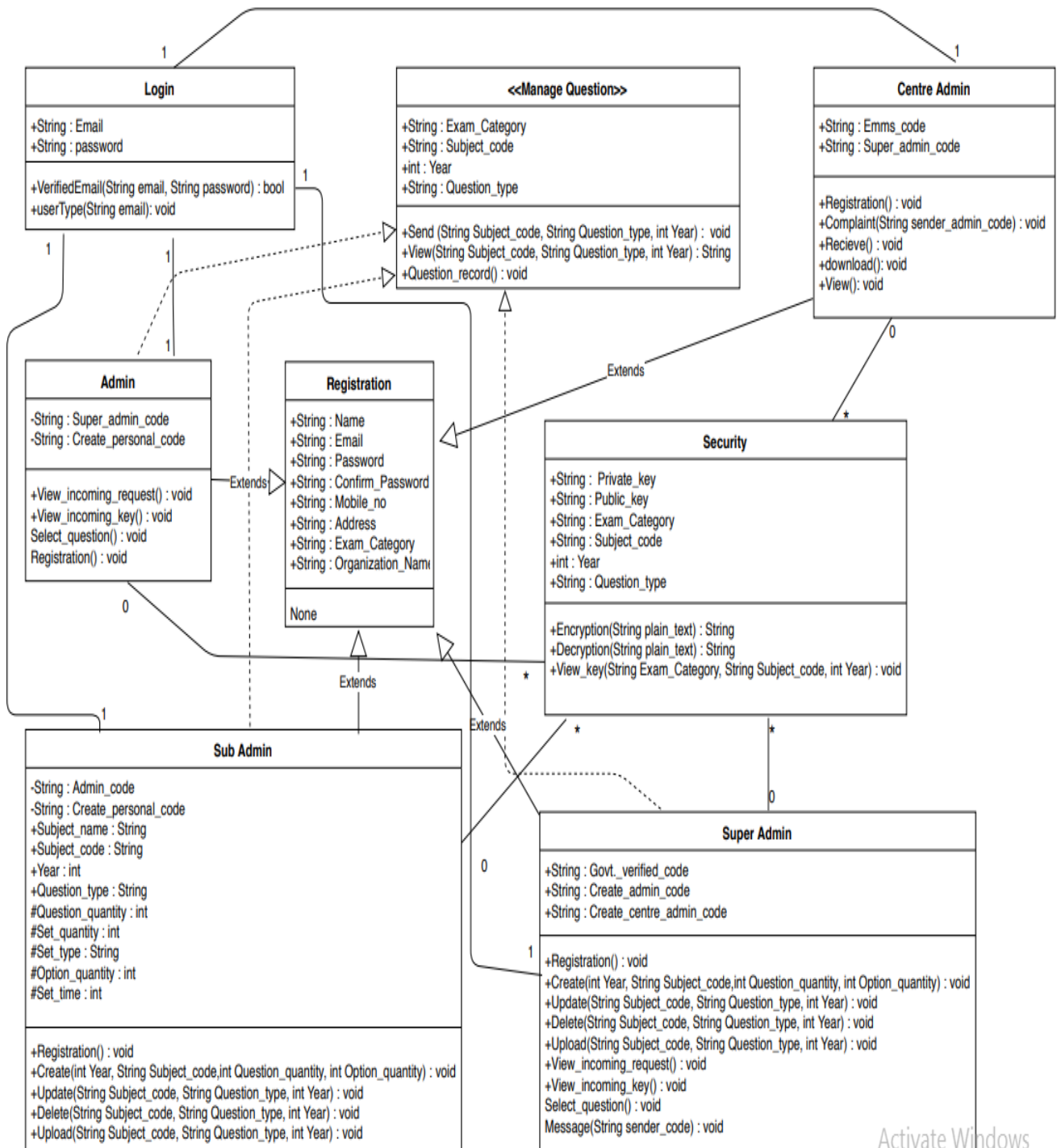**Date of submission:** 22-Oct-2018

❖ UML Class Diagram:

Login

+String : Email
+String : password

+VerifiedEmail(String email, String password) : bool
+userType(String email): void

«Manage Question»

+String : Exam_Category
+String : Subject_code
+int : Year
+String : Question_type

+Send (String Subject_code, String Question_type, int Year) : void
+View(String Subject_code, String Question_type, int Year) : String
+Question_record() : void

Centre Admin

+String : Emms_code
+String : Super_admin_code

+Registration() : void
+Complaint(String sender_admin_code) : void
+Recieve() : void
+download(): void
+View(): void

Admin

-String : Super_admin_code
-String : Create_personal_code

+View_incoming_request() : void
+View_incoming_key() : void
Select_question() : void
Registration() : void

Registration

+String : Name
+String : Email
+String : Password
+String : Confirm_Password
+String : Mobile_no
+String : Address
+String : Exam_Category
+String : Organization_Name

None

Security

+String : Private_key
+String : Public_key
+String : Exam_Category
+String : Subject_code
+int : Year
+String : Question_type

+Encryption(String plain_text) : String
+Decryption(String plain_text) : String
+View_key(String Exam_Category, String Subject_code, int Year) : void

Sub Admin

-String : Admin_code
-String : Create_personal_code
+Subject_name : String
+Subject_code : String
+Year : int
+Question_type : String
#Question_quantity : int
#Set_quantity : int
#Set_type : String
#Option_quantity : int
#Set_time : int

+Registration() : void
+Create(int Year, String Subject_code,int Question_quantity, int Option_quantity) : void
+Update(String Subject_code, String Question_type, int Year) : void
+Delete(String Subject_code, String Question_type, int Year) : void
+Upload(String Subject_code, String Question_type, int Year) : void

Super Admin

+String : Govt._verified_code
+String : Create_admin_code
+String : Create_centre_admin_code

+Registration() : void
+Create(int Year, String Subject_code,int Question_quantity, int Option_quantity) : void
+Update(String Subject_code, String Question_type, int Year) : void
+Delete(String Subject_code, String Question_type, int Year) : void
+Upload(String Subject_code, String Question_type, int Year) : void
+View_incoming_request() : void
+View_incoming_key() : void
Select_question() : void
Message(String sender_code) : void

Extends

Figure : Class Diagram