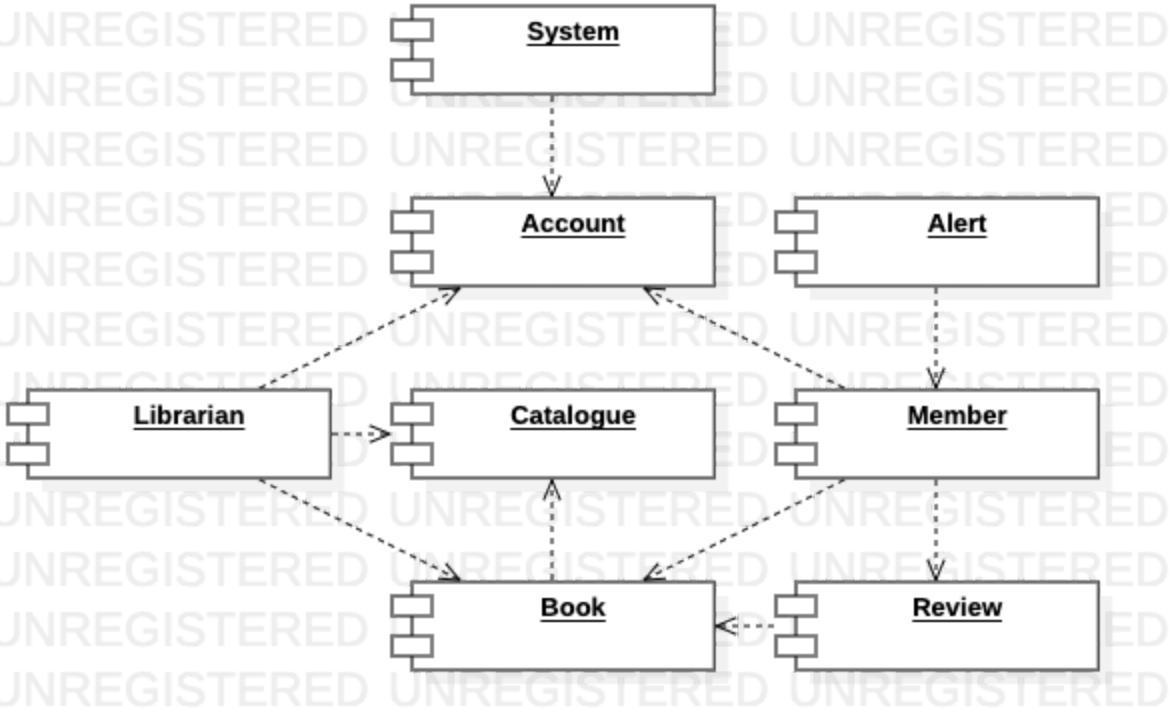
CptS 583 Software Quality

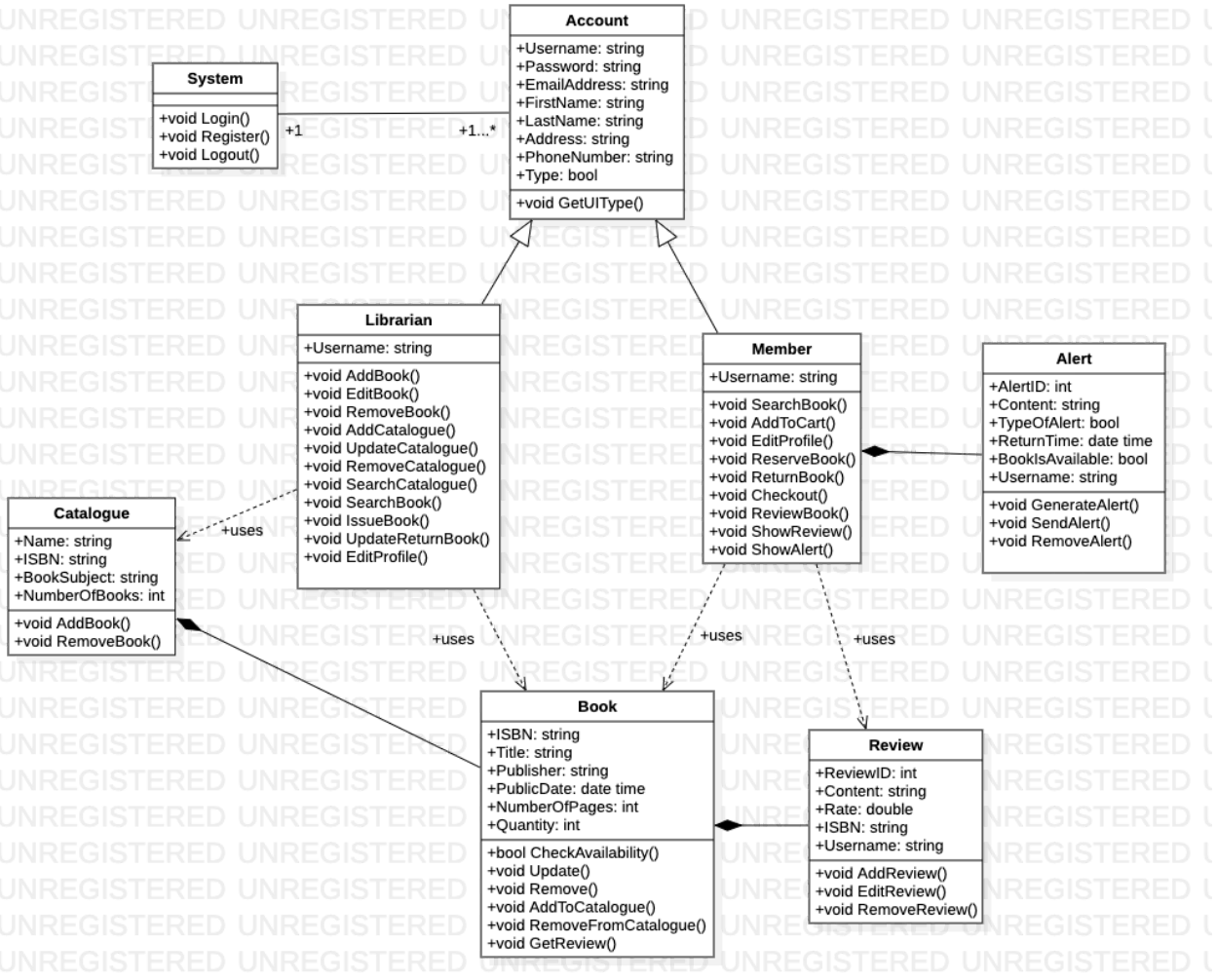
Spring 2021

Project Deliverable 2-1
LA583

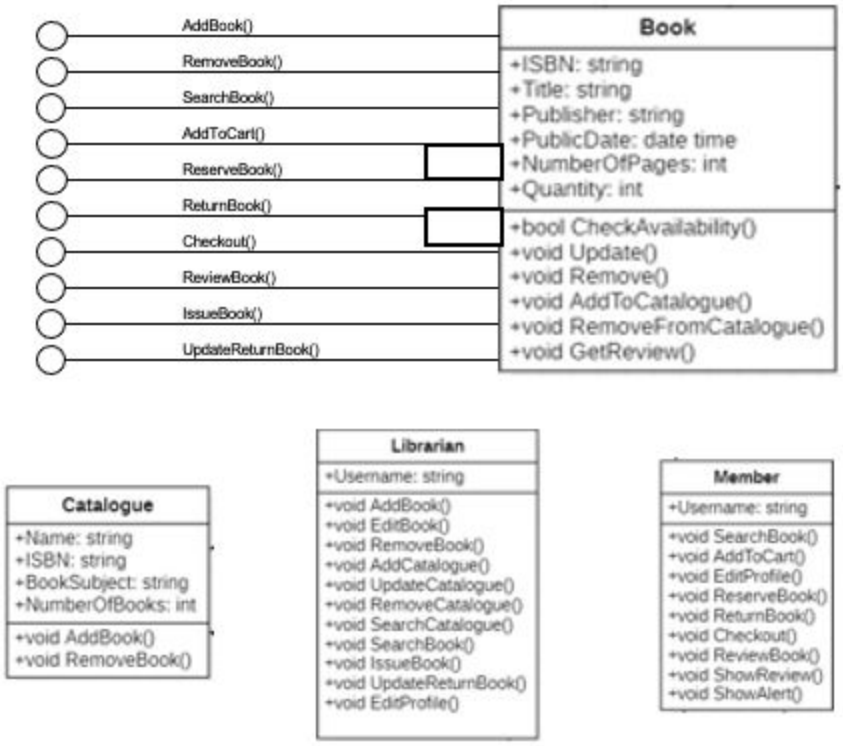
1. Architectural design:



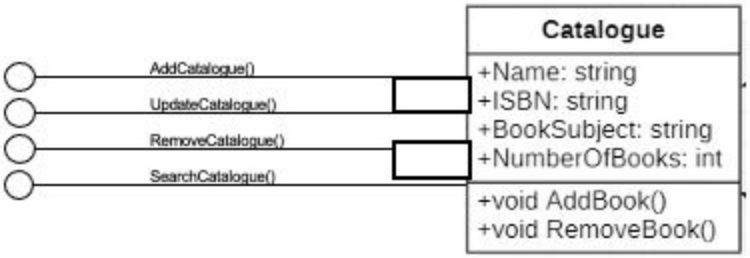
2. Component-level design:
    a. Elaborated design classes:

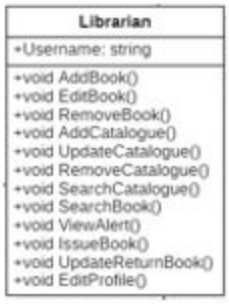


b. Elaborated component diagrams:
   i. Book

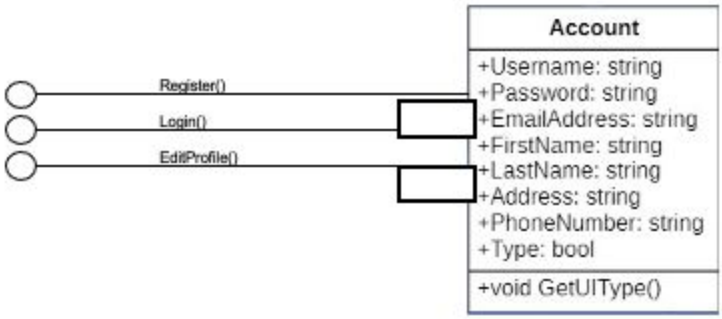


ii. Catalogue:

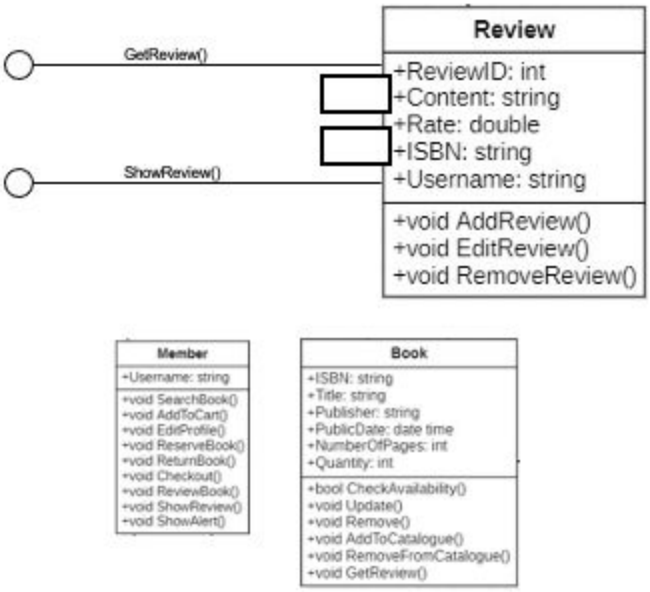




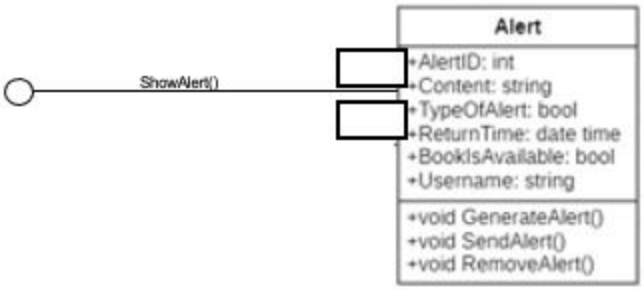
iii. Account:

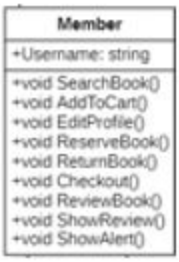


iv. Review:



v. Alert:


Alert
+AlertID: int
+Content: string
+TypeOfAlert: bool
+ReturnTime: date time
+BookIsAvailable: bool
+Username: string
+void GenerateAlert()
+void SendAlert()
+void RemoveAlert()
ShowAlert()


Member
+Username: string
+void SearchBook()
+void AddToCart()
+void EditProfile()
+void ReserveBook()
+void ReturnBook()
+void Checkout()
+void ReviewBook()
+void ShowReview()
+void ShowAlert()