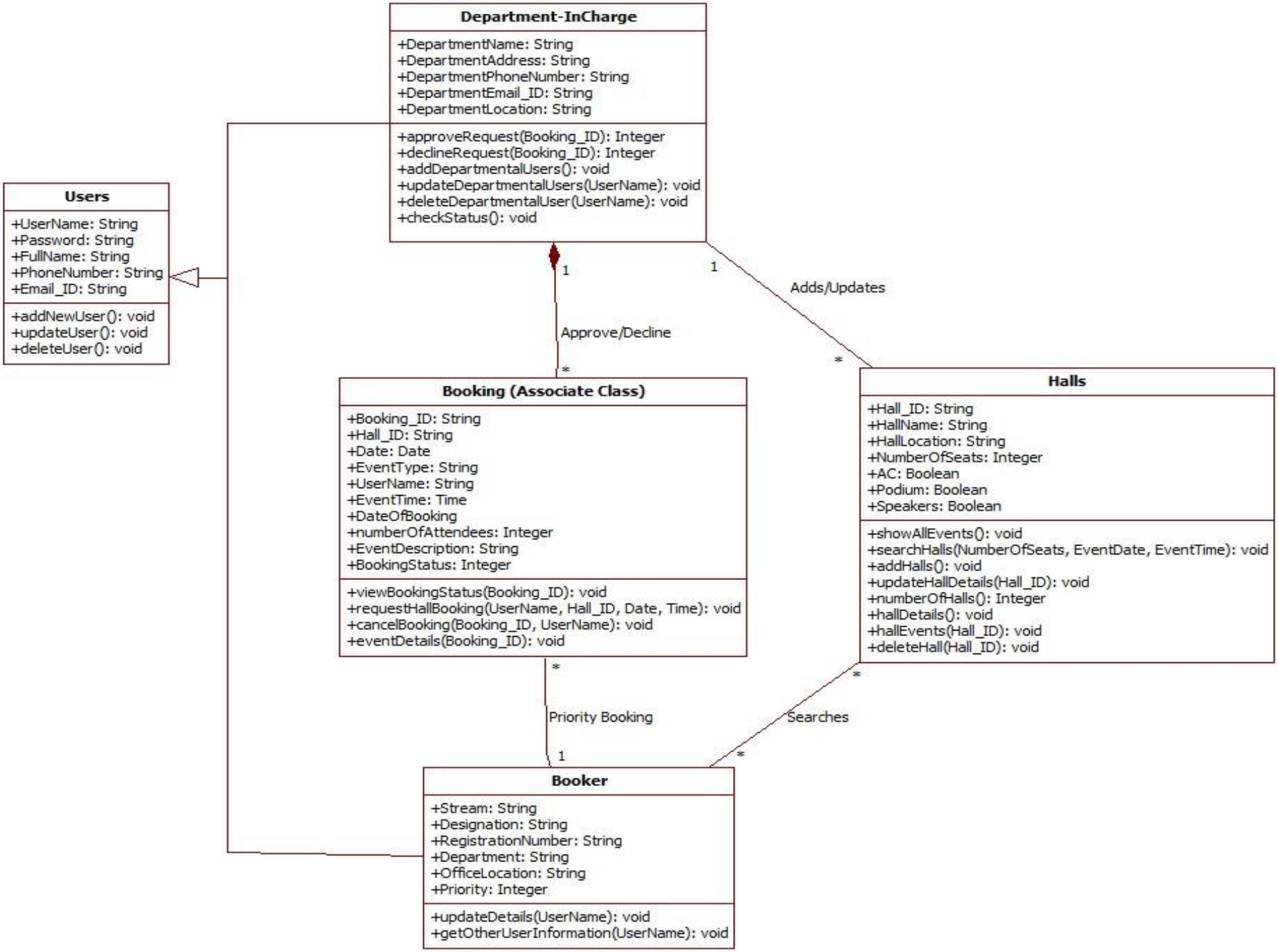
# NITC Hall Booking System

Team – 01

Class Diagram


Department-InCharge
+DepartmentName: String
+DepartmentAddress: String
+DepartmentPhoneNumber: String
+DepartmentEmail_ID: String
+DepartmentLocation: String
+approveRequest(Booking_ID): Integer
+declineRequest(Booking_ID): Integer
+addDepartmentalUsers(): void
+updateDepartmentalUsers(UserName): void
+deleteDepartmentalUser(UserName): void
+checkStatus(): void
Users
+UserName: String
+Password: String
+FullName: String
+PhoneNumber: String
+Email_ID: String
+addNewUser(): void
+updateUser(): void
+deleteUser(): void
1
Approve/Decline
*
1
Adds/Updates
*
Booking (Associate Class)
+Booking_ID: String
+Hall_ID: String
+Date: Date
+EventType: String
+UserName: String
+EventTime: Time
+DateOfBooking
+numberOfAttendees: Integer
+EventDescription: String
+BookingStatus: Integer
+viewBookingStatus(Booking_ID): void
+requestHallBooking(UserName, Hall_ID, Date, Time): void
+cancelBooking(Booking_ID, UserName): void
+eventDetails(Booking_ID): void
Halls
+Hall_ID: String
+HallName: String
+HallLocation: String
+NumberOfSeats: Integer
+AC: Boolean
+Podium: Boolean
+Speakers: Boolean
+showAllEvents(): void
+searchHalls(NumberOfSeats, EventDate, EventTime): void
+addHalls(): void
+updateHallDetails(Hall_ID): void
+numberOfHalls(): Integer
+hallDetails(): void
+hallEvents(Hall_ID): void
+deleteHall(Hall_ID): void
*
Priority Booking
1
*
Searches
*
Booker
+Stream: String
+Designation: String
+RegistrationNumber: String
+Department: String
+OfficeLocation: String
+Priority: Integer
+updateDetails(UserName): void
+getOtherUserInformation(UserName): void

# A Brief Description :

- An Associate Class “Booking” has been used to keep a track of the Booking Requests for the Events of the Halls done by the Booker, and to be approved by the Department-InCharge.

- The SuperUser can add mainly 2 kinds of Users :

  - Department-InCharge : will be responsible for adding or updating Hall Details, adding Departmental Users* and for Approving / Declining pending Booking requests.

  - Bookers : They have been categorized into 5 types, according to their priorities (Student, Faculty, HoD, Dean, Registrar). Searching and Priority Booking* of the Halls are the 2 main functions of the Booker.

# Some Important Terms:

- Priority Booking – The Bookers have been classified under different priorities and then can book halls accordingly, Ex: Registrar = Highest Priority.
- Check Status – The Department-InCharge will be having the authority to authenticate the booking, Check Status will list down all the pending booking requests.
- Get Other User Information – The booker will be able to get all the details about any other User.
- Departmental Users – The Bookers added by the Department-InCharge, they can either be a Class Representative / SAC Member / Faculty.

# Thank You !

**TEAM MEMBERS** :

- [Team Leader] Neha Kumari
- Neethu PK
- Subhodip Banerjee
- Amith Prakash