# LEARNMESH
# DOMAIN MODEL

**LearningPreference**
- preferenceId : int
- subject : String
- preferredTimeSlot : String
- skillLevel : String

**Student**
- studentId : int
- name : String
- email : String
- password : String
- major : String

**Study Group**
- groupId : int
- groupName : String
- subject : String
- description : String
- timeSlot : String
- maxMembers : int

**MatchingResult**
- resultId : int
- compatibility score : double
- generatedAt : Date

**GroupMembership**
- membershipId : int
- joinDate : Date
- status : String

**LogInSession**
- sessionId : String
- loginTime : Date
- logOutTime : Date
- isActive : boolean

**Admin**
- adminId : int
- name : String
- email : String
- password : String
- adminLevel : int

**System Log**
- logId : int
- action : String
- timeStamp : Date
- severity : String

Relationships:
- Student sets LearningPreference: 1 — 0..*
- LearningPreference based on MatchingResult: 1 — 0..*
- Study Group matched with MatchingResult: 0..* — 1
- Student creates Study Group: 1 — 0..*
- Study Group has member GroupMembership: 1 — 0..*
- Student joins GroupMembership: 1 — 0..*
- Student logs in LogInSession: 1 — 0..*
- Admin logs in LogInSession: 1 — 0..*
- Admin monitors System Log: 1 — 0..*