Domain Models, Services, and DB Comparison

# Section 1: Domain Models

This section lists all domain models and their properties extracted from Domain.zip.

- User: Username, PasswordHash, PasswordSalt, Email, IsActive, CreatedOnUtc, LastLoginDateUtc, InstitutionId, RegistrationId, etc.

- Registration: LicenseType, LicenseNumber, IssueDate, ExpiryDate, Status, etc.

- AuditTrail: EntityName, EntityId, FieldName, OldValue, NewValue, ActionType, ChangedBy, ChangeTime, etc.

# Section 2: Services

This section lists all services (interfaces and implementations) and their actions with parameters extracted from App.Services.zip.

- IUserService: GetUserById(int id), InsertUser(User user), UpdateUser(User user), DeleteUser(int id)

- IRegistrationService: SubmitAsync(int registrationId, int performedByUserId, string remarks), ApproveAsync(...), RejectAsync(...), ReturnForEditAsync(...)

- IAuditService: LogChange(string entity, int entityId, string field, string oldVal, string newVal, int changedBy)

# Section 3: DB Comparison

This section maps domain models and services to database tables and requirements extracted from BRD.

|  |  |  |  |
| --- | --- | --- | --- |
| Domain Model | Properties | DB Table (BRD) | Notes |
| User | Id, Username, PasswordHash, Email, IsActive, CreatedOnUtc | User | Matches with BRD User table |
| Registration | Id, LicenseType, LicenseNumber, Status, InstitutionId, CreatedOnUtc | Registration | Mapped to BRD Registration entity |
| AuditTrail | EntityName, EntityId, FieldName, OldValue, NewValue, ChangeTime | AuditTrail | Fully aligned |