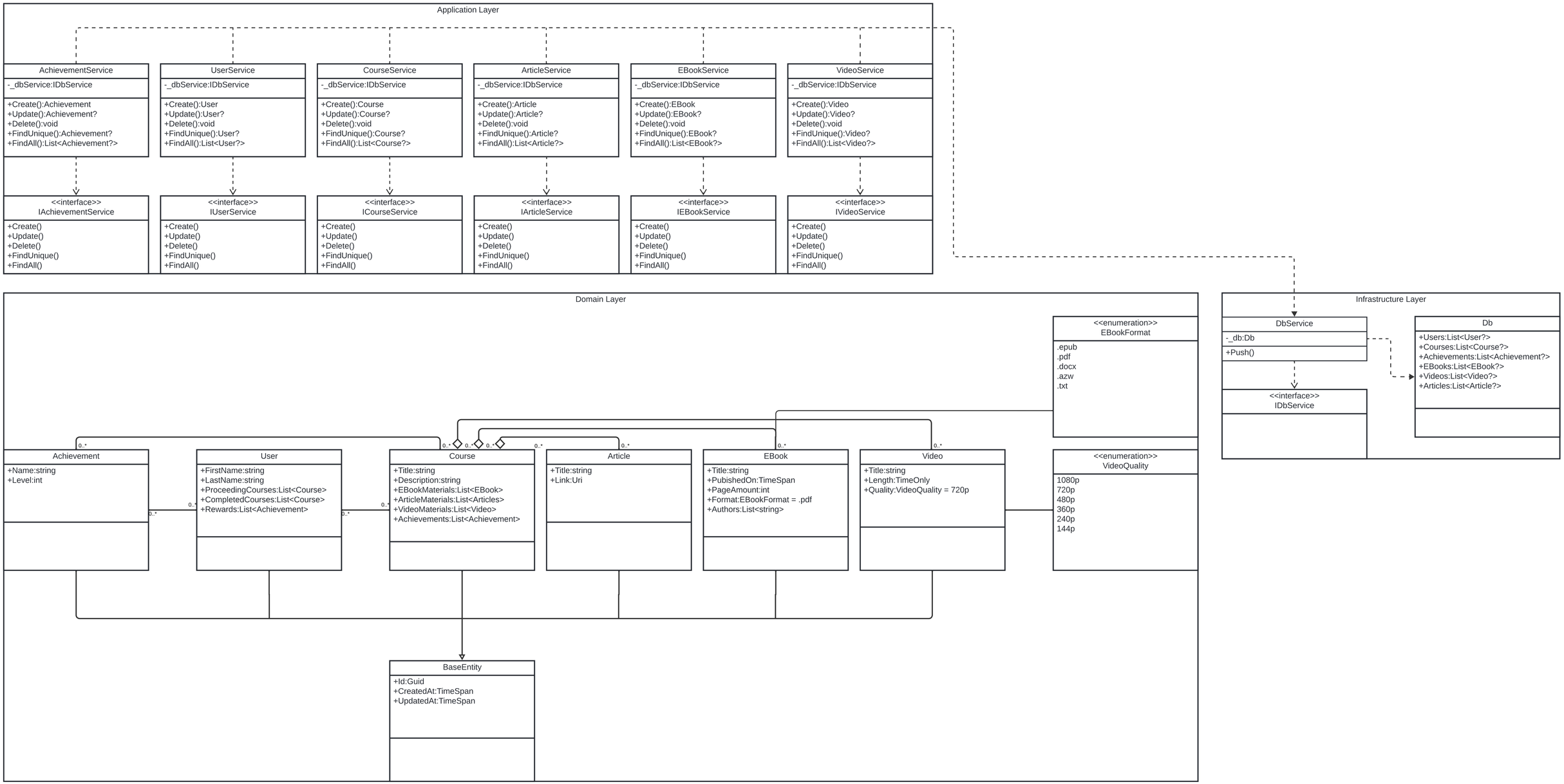
Application Layer
AchievementService
-_dbService:IDbService
+Create():Achievement
+Update():Achievement?
+Delete():void
+FindUnique():Achievement?
+FindAll():List<Achievement?>
UserService
-_dbService:IDbService
+Create():User
+Update():User?
+Delete():void
+FindUnique():User?
+FindAll():List<User?>
CourseService
-_dbService:IDbService
+Create():Course
+Update():Course?
+Delete():void
+FindUnique():Course?
+FindAll():List<Course?>
ArticleService
-_dbService:IDbService
+Create():Article
+Update():Article?
+Delete():void
+FindUnique():Article?
+FindAll():List<Article?>
EBookService
-_dbService:IDbService
+Create():EBook
+Update():EBook?
+Delete():void
+FindUnique():EBook?
+FindAll():List<EBook?>
VideoService
-_dbService:IDbService
+Create():Video
+Update():Video?
+Delete():void
+FindUnique():Video?
+FindAll():List<Video?>
<<interface>>
IAchievementService
+Create()
+Update()
+Delete()
+FindUnique()
+FindAll()
<<interface>>
IUserService
+Create()
+Update()
+Delete()
+FindUnique()
+FindAll()
<<interface>>
ICourseService
+Create()
+Update()
+Delete()
+FindUnique()
+FindAll()
<<interface>>
IArticleService
+Create()
+Update()
+Delete()
+FindUnique()
+FindAll()
<<interface>>
IEBookService
+Create()
+Update()
+Delete()
+FindUnique()
+FindAll()
<<interface>>
IVideoService
+Create()
+Update()
+Delete()
+FindUnique()
+FindAll()
Domain Layer
<<enumeration>>
EBookFormat
.epub
.pdf
.docx
.azw
.txt
Achievement
+Name:string
+Level:int
User
+FirstName:string
+LastName:string
+ProceedingCourses:List<Course>
+CompletedCourses:List<Course>
+Rewards:List<Achievement>
Course
+Title:string
+Description:string
+EBookMaterials:List<EBook>
+ArticleMaterials:List<Articles>
+VideoMaterials:List<Video>
+Achievements:List<Achievement>
Article
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EBook
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+PubishedOn:TimeSpan
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Video
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<<enumeration>>
VideoQuality
1080p
720p
480p
360p
240p
144p
BaseEntity
+Id:Guid
+CreatedAt:TimeSpan
+UpdatedAt:TimeSpan
Infrastructure Layer
DbService
-_db:Db
+Push()
<<interface>>
IDbService
Db
+Users:List<User?>
+Courses:List<Course?>
+Achievements:List<Achievement?>
+EBooks:List<EBook?>
+Videos:List<Video?>
+Articles:List<Article?>