## MathMaster

CSE 326 | Information System Design Group 4

## **Group Members:**

1905006 Nabil Sadique

1905007 Md Asib Rahman

1905016 Md Zulkar Naim

1905017 Md Shafayatul Haque

1905018 Md Mohaiminul Islam

1905027 Md Huzzatun Ali

1905028 Md Shariful Islam Khan

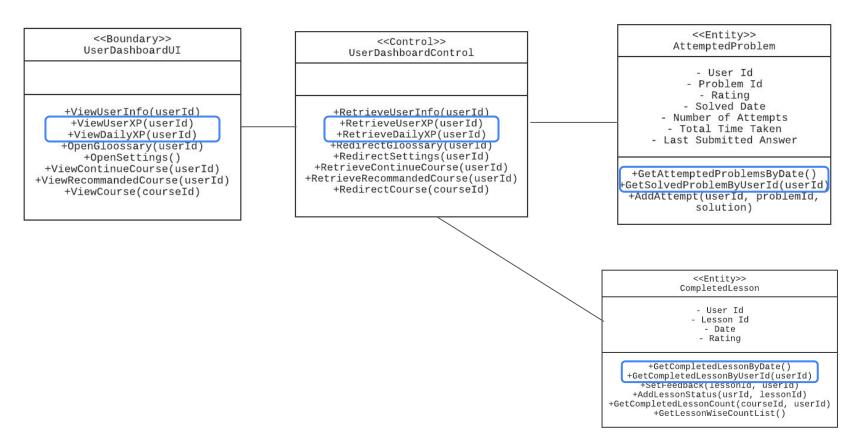
## Presented By:

1905017 Md Shafayatul Haque

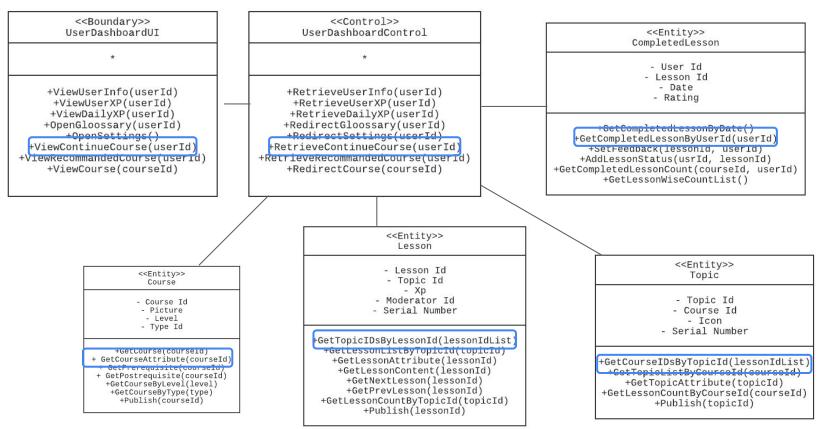


<<Entity>> <<Control>> <<Boundary>> User UserDashboardUI UserDashboardControl - User Id - Name - Email +ViewUserInfo(userId) +RetrieveUserInfo(userId) - Hashed Password +RetrieveUserXP(userId) +ViewUserXP(userId) - Date Of Birth +ViewDailvXP(userId) +RetrieveDailyXP(userId) - Picture +OpenGloossary(userId) +RedirectGloossary(userId) - Institution Id +OpenSettings() +RedirectSettings(userId) +ViewContinueCourse(userId) +RetrieveContinueCourse(userId) +ViewRecommandedCourse(userId) +RetrieveRecommandedCourse(userId) + GetUserInfo(userId) +ViewCourse(courseId) +RedirectCourse(courseId) +GetUserByDate(date) +GetUserByName(name)

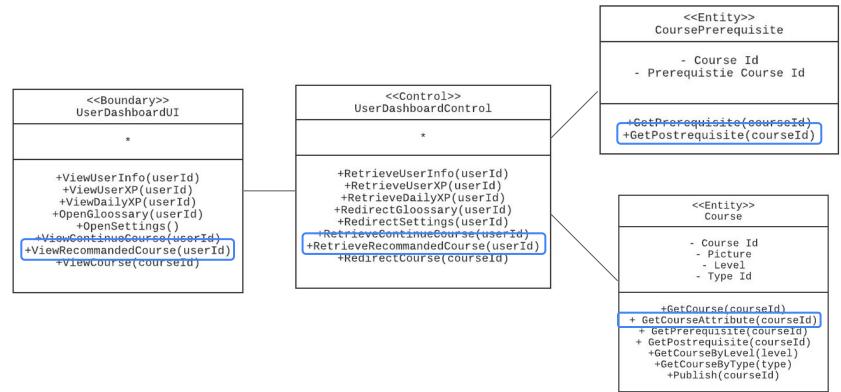














#### **Course View**

<<Entity>> Course - Course Id <<Boundary>> <<Control>> - Picture CourseViewUI CourseViewControl - Level - Type Id +GetCourse(courseId) + GetCourseAttribute(courseId) +ViewCourseDetail(courseId) +RetrieveCourseDetail(courseId) + GetPrerequisite(courseld) + GetPostrequisite(courseId) +ViewPrerequisite(courseId) +RetrievePrerequisite(courseId) +GetCourseByLevel(level) +ViewRecommandedNext(courseId) +RetrieveRecommandedNext(courseId) +GetCourseByType(type) +OpenSkillQuiz(courseId) +RedirectSkillQuiz(courseId) +Publish(courseId) +ViewCourseOutline(courseId) +RetrieveCourseOutline(courseId) +OpenLesson(lessonId) +RedirectLesson(lessonId) +OpenProblem(topicId) +RedirectProblem(topicId)



## **Course View**

<<Boundary>> <<Control>> CourseViewControl CourseViewUI <<Entity>> CoursePrerequisite - Course Id - Prerequistie Course Id +RetrieveCourseDetail(courseId) +ViewCourseDetail(courseId) +RetrievePrerequisite(courseld) +ViewPrerequisite(courseId) +RetrieveRecommandedNext(courseId) +ViewRecommandedNext(courseId) +RedirectSkillQuiz(courseId) +OpenSkillQuiz(courseId) +GetPrerequisite(courseId) +RetrieveCourseOutline(courseId) +ViewCourseOutline(courseId) +GetPostrequisite(courseId) +RedirectLesson(lessonId) +OpenLesson(lessonId) +RedirectProblem(topicId) +OpenProblem(topicId) <<Entity>> Course - Course Id - Picture - Level - Type Id +GetCourse(courseId) GetCourseAttribute(courseId) + GetPrerequisite(courseld) + GetPostrequisite(courseId) +GetCourseByLevel(level) +GetCourseByType(type) +Publish(courseId)

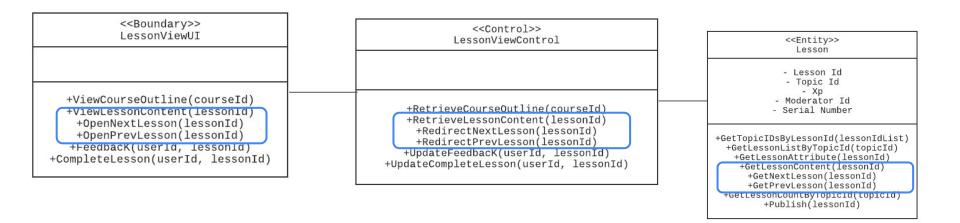


## **Course View**

<<Entity>> Lesson - Lesson Id <<Control>> <<Boundary>> - Topic Id CourseViewControl CourseViewUI - Xp - Moderator Id - Serial Number +GetTonicTDsRvLessonId(lessonIdList) +RetrieveCourseDetail(courseId) +ViewCourseDetail(courseId) +GetLessonListByTopicId(topicId) +RetrievePrerequisite(courseId) +ViewPrerequisite(courseId) +GetLessonAttribute(lessonid) +RetrieveRecommandedNext(courseId) +ViewRecommandedNext(courseId) +GetLessonContent(lessonId) +RedirectSkillOuiz(courseId) +GetNextLesson(lessonId) +OpenSkillOuiz(courseId) +RetrieveCourseOutline(courseId) +GetPrevLesson(lessonId) +ViewCourseOutline(courseId) +GetLessonCountByTopicId(topicId) +RedirectLesson(lessonId) +OpenLesson(lessonId) +Publish(lessonId) +RedirectProblem(topicId) +OpenProblem(topicId) <<Entity>> Topic - Topic Id - Course Id - Icon - Serial Number +GetCourseIDsBvTopicId(lessonIdList) +GetTopicListByCourseId(courseId) +GetTonicAttribute(tonicId) +GetLessonCountByCourseId(courseId) +Publish(topicId)

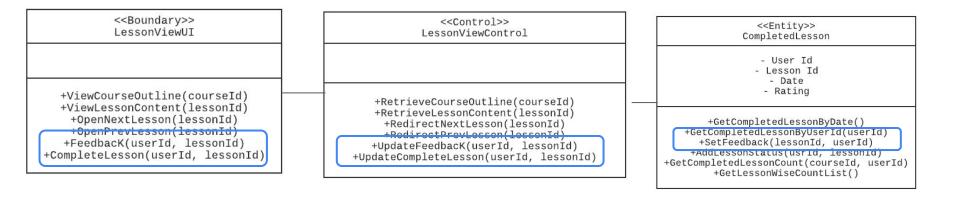


## **Lesson View**



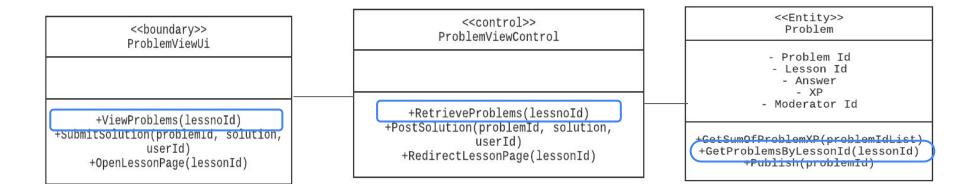


## **Lesson View**



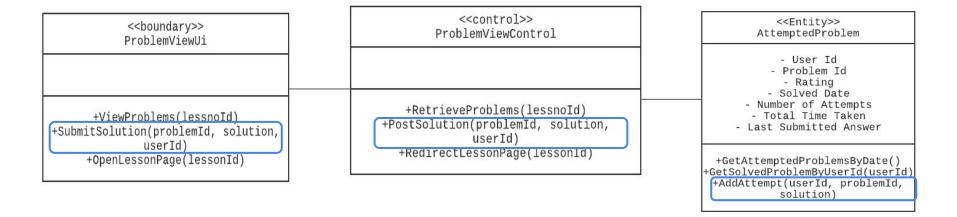


## **Problem View**



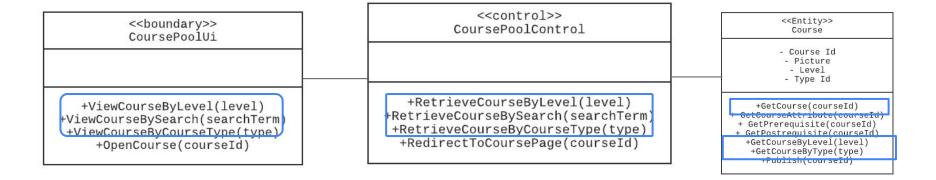


## **Problem View**



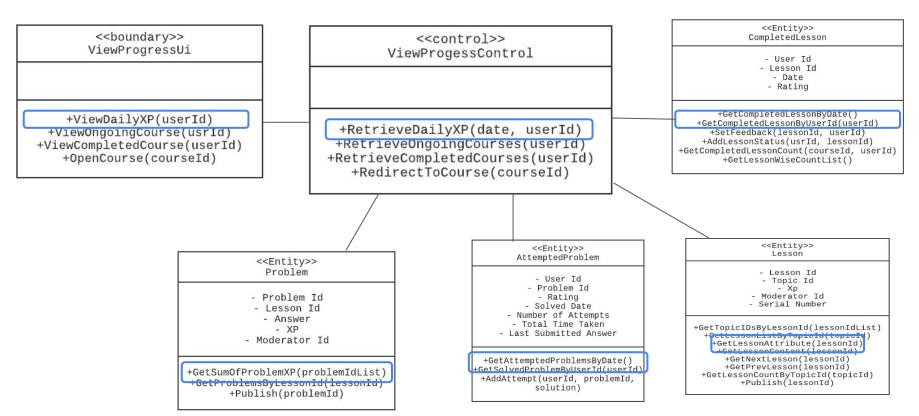


## **Course Pool**



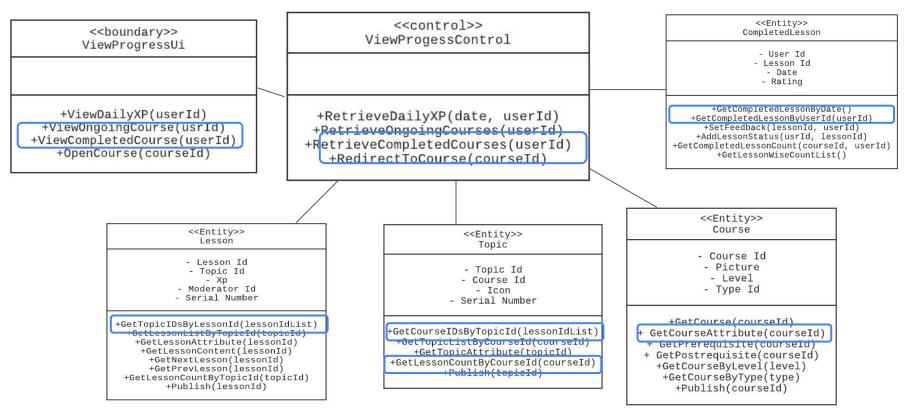


## **View Progress**



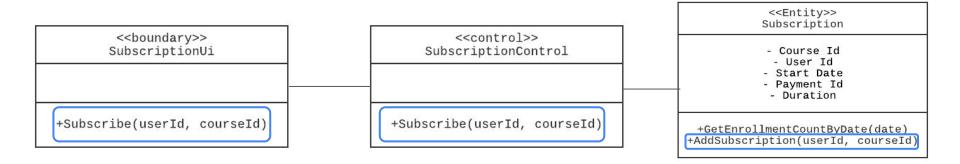


## **View Progress**

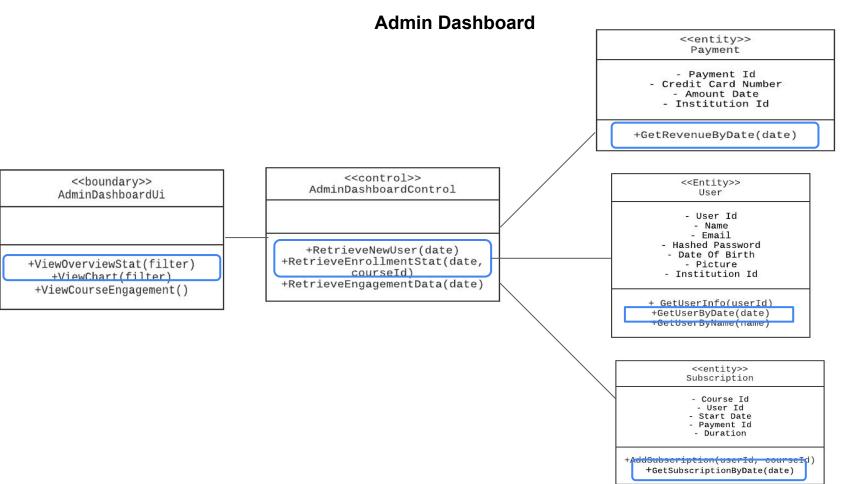




## **Subscription**

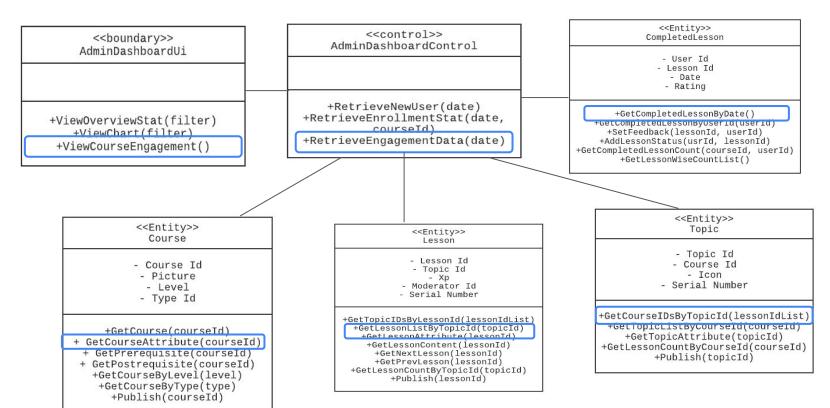






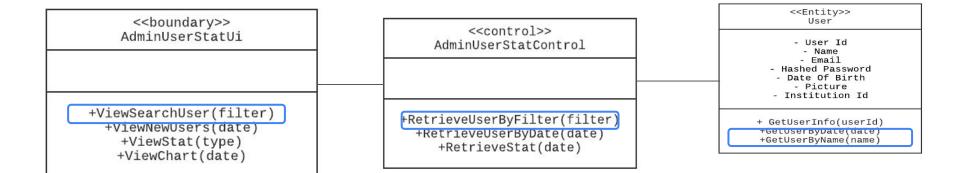


## **Admin Dashboard**



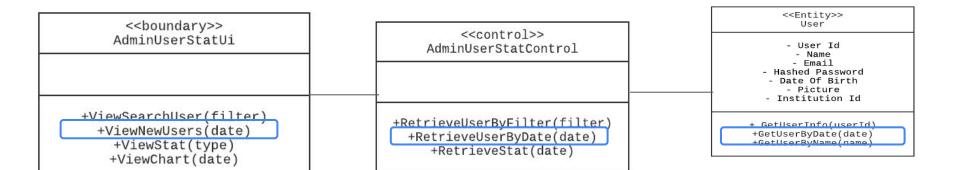


## **Admin User Stat**



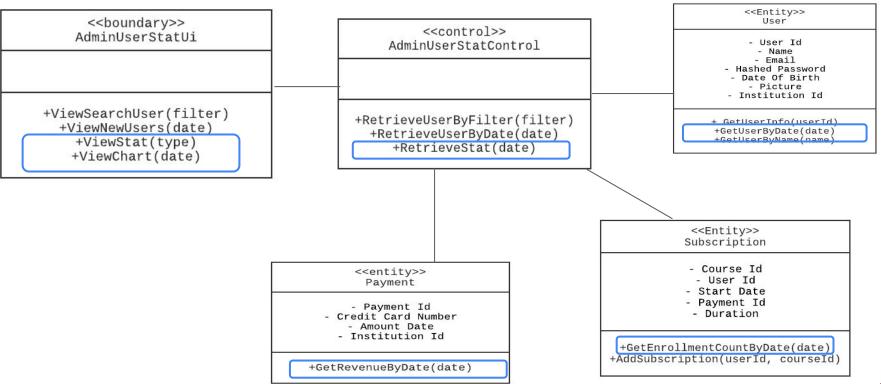


## **Admin User Stat**





## **Admin User Stat**



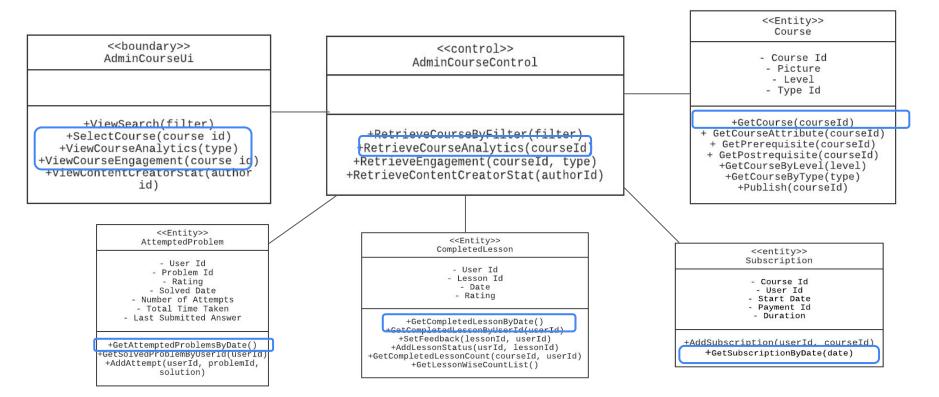


## **Admin Course Stat**

<<Entity>> Course <<body><br/><<br/>boundary>> <<control>> AdminCourseUi - Course Id AdminCourseControl - Picture - Level - Type Id +ViewSearch(filter) +GetCourse(courseId) +RetrieveCourseByFilter(filter) +RetrieveCourseAnalytics(courseId) + GetCourseAttribute(courseId) +SelectCourse(course id) + GetPrerequisite(courseId) + GetPostrequisite(courseId) +GetCourseByLevel(level) +ViewCourseAnalytics(type) +ViewCourseEngagement(course id) +RetrieveEngagement(courseId, type) +ViewContentCreatorStat(author +RetrieveContentCreatorStat(authorId) +GetCourseByType(type) id) +Publish(courseId)

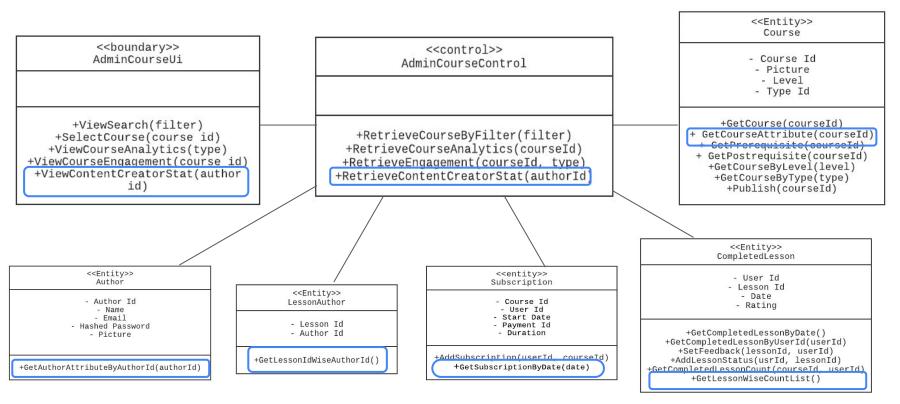


## **Admin Course Stat**



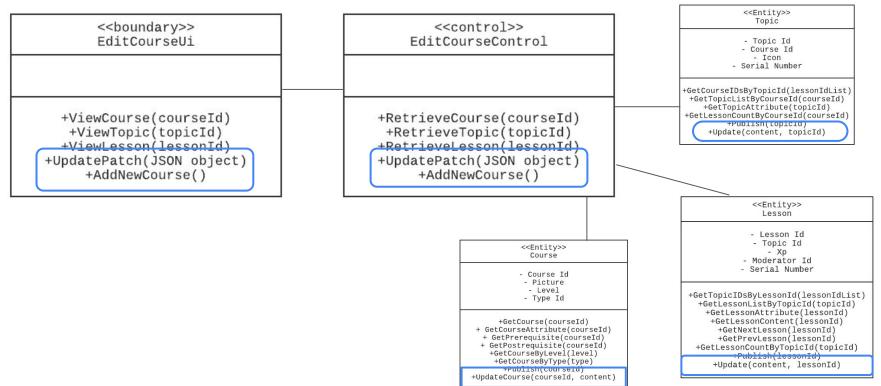


## **Admin Course Stat**



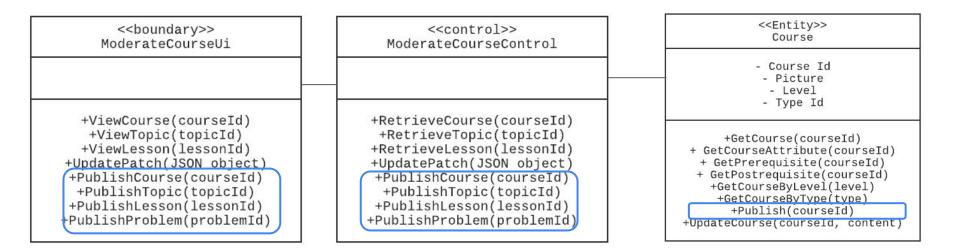


## **Author Edit Course**





## **Moderator Moderate Course**





# Thank You