Learner (LearnerID , first\_name, last\_name, gender, birth\_date, country, cultural\_background)

Skills (LearnerID , skill)

----------------

Skills.LearnerID references Learner.LearnerID

LearningPreference(LearnerID, preference)

--------------

LearningPreference.LearnerID references Learner.LearnerID

PersonalizationProfiles(LearnerID, Profile ID, Prefered-content\_type, emotional\_state, personality\_type)

--------------

PersonalizationProfiles.LearnerID references Learner.LearnerID

HealthCondition (LearnerID, ProfileID, condition)

------------- ------------

HealthCondition.LearnerID references PersonalizationProfiles.LearnerID

HealthCondition.ProfileID references PersonalizationProfiles.ProfileID

Course (CourseID, Title, learning\_objective, credit\_points, difficulty\_level, pre\_requisites, description)

Modules (ModuleID , CourseID, Title, difficulty, contentURL)

-----------------------------

Modules.CourseID references Course.CourseID

Target\_traits (ModuleID, CourseID, Trait)

---------------------------

Target\_traits.ModuleID references Modules.ModuleID

Target\_traits.CourseID references Modules.CourseID

ModuleContent(ModuleID, CourseID, content\_type)

---------------------------

ModuleContent.ModuleID references Modules.ModuleID

ModuleContent.CourseID references Modules.CourseID

ContentLibrary(ID, ModuleID, CourseID, Title, description, metadata, type, content\_URL)

-------------- -----------

ContentLibrary.ModuleID references Modules.ModuleID

ContentLibrary.CourseID references Modules.CourseID

Assessments(ID, ModuleID, CourseID, type, total\_marks, passing\_marks, criteria, weightage, description, title) -------------- ------------

Assesments.ModuleID references Modules.ModuleID

Assessments.CourseID references Modules.CourseID

Interaction\_log (LogID, activity\_ID, LearnerID, Duration, Timestamp, action\_type)

--------------- -------------

Interaction\_log.activity\_ID references Learning\_activities.ActivityID

Interaction\_log.LearnerID references Learner.LearnerID

Learning\_activities (ActivityID, ModuleID, CourseID, activity\_type, instruction\_details, Max\_points)

------------- ------------

Learning\_activities.ModuleID references Modules.ModuleID

Learning\_activities.CourseID references Modules.CourseID

Emotional\_feedback( FeedbackID, LearnerID, timestamp, emotional\_state)

-------------

Emotional\_feedback.LearnerID references Learner.LearnerID

Learning\_path (pathID, LearnerID, ProfileID, completion\_status, custom\_content, adaptive\_rules)

-------------- -----------

Learning\_path.LearnerID references PersonalizationProfiles.LearnerID

Learning\_path.ProfileID references PersonalizationProfiles.ProfileID

Instructor ( InstructorID , name, latest\_qualification, expertise\_area, email)

Pathreview (InstructorID, PathID, feedback)

---------------- ---------

Pathreview.InstructorID references Instructor.InstructorID

Pathreview.PathID references Learning\_path.PathID

Emotionalfeedback\_review (FeedbackID, InstructorID, feedback)

----------------- ----------------

Emotionalfeedback\_review.FeedbackID references Emotional\_feedback.FeedbackID

Emotionalfeedback\_review.InstructorID references Instructor.InstructorID

Course\_enrollment (EnrollmentID, CourseID, LearnerID, completion\_date, enrollment\_date, status)

------------- -------------

Course\_enrollment.CourseID references Course.CourseID

Course\_enrollment.LearnerID references Learner.LearnerID

Teaches (InstructorID, CourseID)

---------------- ------------

Teaches.InstructorID references Instructor.InstructorID

Teaches.CourseID references Course.CourseID

Leaderboard (BoardID, season)

Ranking(BoardID, LearnerID, CourseID, rank, total\_points)

----------- ------------ -------------

Ranking.BoardID references Leaderboard BoardID

Ranking.LearnerID references Learner.LearnerID

Ranking.CourseID references Course.CourseID

Learning\_goal (ID, status, deadline, description)

LearnersGoals(GoalID, LearnerID)

---------- -------------

LearnersGoals.GoalID references Learning\_goal.ID

LearnersGoals.LearnerID references Learner.LearnerID

Survey ( ID, Title)

SurveyQuestions (SurveyID, Question)

-------------

SurveyQuestions.SurveyID references Survey.ID

FilledSurvey(SurveyID, Question, LearnerID, Answer)

------------- ------------ -------------

FilledSurvey.SurveyID references SurveyQuestions.SurveyID

FilledSurvey.Question references SurveyQuestions.Question

FilledSurvey.LearnerID references Learner.LearnerID

Notification (ID, timestamp, message, urgency\_level)

ReceivedNotification(NotificationID, LearnerID)

ReceivedNotification.NotificationID references Notification.ID

ReceivedNotification.LearnerID references Learner.LearnerID

Badge ( BadgeID, title, description, criteria, points)

SkillProgression (ID, proficiency\_level, LearnerID, skill\_name, timestamp)

-------------- ---------------

SkillProgression. LearnerID references Skills. LearnerID

SkillProgression.skill\_name references Skills.skill

Achievement (AchievementID, LearnerID, BadgeID, description, date\_earned, type)

------------- ------------

Achievement.LearnerID references Learner.LearnerID

Reward (RewardID, value, description, type)

Quest ( QuestID, difficulty\_level, criteria, description, title)

Skill\_Mastery (QuestID, skill)

------------

Skill\_Mastery.QuestID references Quest.QuestID

Collaborative (QuestID, deadline, max\_num\_participants)

-------------

Collaborative.QuestID references Quest.QuestID

Discussion\_forum (forumID, ModuleID, CourseID, title, last\_active, timestamp, description)

-------------- ------------

Discussion\_forum.ModuleID references Modules.ModuleID

Discussion\_forum.CourseID references Modules.CourseID

LearnerDiscussion(ForumID, LearnerID, Post, time)

----------- ------------

LearnerDiscussion. ForumID references Discussion\_forum.forumID

LearnerDiscussion.LearnerID references Learner.LearnerID

QuestReward(RewardID, QuestID, LearnerID, Time\_earned)

------------- ---------- -------------

Questreward.RewardID references Reward.RewardID

Questreward.QuestID references Quest.QuestID

Questreward.LearnerID references Learner.LearnerID