Relational Schema

Underline: primary key
Dashedline: foreign key
Zigzagline: primary &foriegn

Members : (start)

Member (<u>e-mail</u>, password, preferred_game_genre).

Normal User (<u>e-mail</u>, first_name, last_name, date_of_birth, age)

Normal User.e-mail references Member,

Where: Normal User.age = current date – Normal User.date_of_birth.

add_friend (<u>e-mail1, e-mail2</u>, accept)

add_friend.e-mail1 references Normal User,

add_friend.e-mail2 references Normal User.

Message (<u>message_ID</u>, sender,reciever, date, content)

Message.sender references Normal User,

Message.reciever references Normal User.

Development Team (<u>e-mail</u>, team_name, company, formation_date)

Devlopment Team.e-mail references Member.

Verified Reviewer (<u>e-mail</u>, first_name, last_name, years_of_experience)

Verified Reviewer.e-mail references Member

(End of members)

Community : (start)

Community (theme, name, description).
create (theme, normal_user_ID, accept)
create.theme references Community
create.normal_user_ID references Normal User
join (theme,member_ID)
join.theme references Community.theme
join.member_ID references Member
Topic (theme, topic_ID, title, description, member_ID)
Topic.theme refernces Community
Topic.member_ID references Member
Topic_Comment(theme, topic_ID, comment_ID, content, date, member_ID)
Topic_Comment.theme references Topic
Topic_Comment.topic_ID references Topic
Topic_Comment.member_ID references Member
(End of community)
Conference : (start)
Conference (conference_ID, name, duration, start_date, end_date, venue).
Attend(e-mail, conference_ID)
Attend.e-mail references Member,
Attend.conference_ID references Conference.
Conference Review(conference_review_ID, conference_ID, e-mail, content, date)
Conference Review.conference_ID references Conference,
Conference Review.e-mail references Member

Conference Review Comment(<u>conference_review_comment_ID</u>, <u>conference_review_ID</u>, <u>conference_ID</u>, content, <u>e-mail</u>)

Conference Review Comment. conference_review_ID refrences Conference Review

Conference Review Comment. conference_ID refrences Conference Review

Conference Review Comment.e-mail references Member

(End of conference).

Game part: (start)

Game(<u>game_ID</u>, name, release_date, rating, age_limit, <u>development_team_email</u>, <u>release_conference</u>)

Game.development_team_e-mail references Development Team.e-mail, Game.release_conference references Conference.conference_ID

Screenshot(<u>screen_shot_ID</u>, <u>game_ID</u>, description, date)

Screenshot.game_ID references Game

Video(<u>video_ID</u>, <u>game_ID</u>, description,date)

Video.game_ID references Game.game_ID

Strategy(real_time, <u>game</u>)

Strategy.game references Game

Action(sub_genre, <u>game</u>)

Action.game references Game

Sport(type, <u>game</u>)

Sport.game references Game

RPG(story_line, PvP, <u>game</u>)

RPG.game references Game

Rate(rate_ID, game, member_email, graphics, level design,interactivity,uniqueness,Total_rate) Rate.game references Game, Rate.member_email references Member.

Game Review(game_review_ID, game, verified_reviewer, date, content)
Game Review.game references Game,
Game Review.verified_reviewer references Verified Reviewer.

Game Review Comment(comment_ID, game_review, member, game_id)
Game Review Comment.game_review references Game Review,
Game Review Comment.game_id references Game Review
Game Review Comment.member references Member.

Present(conference_ID, game_ID, development_team_ID)
Present.conference_id references Conference,
Present.game_id references Game,
Present.development_team_id references Development Team.

Recommended(normal_user1,normal_user2,game_ID)
Recommended.normail_user1 references Normal User
Recommended.normail_user2 references Normal User
Recommended.game_ID references Game

(End of game)

System Administrator part :(Start)

System Admin (Admin_id, email, first_name, last_name)

Verify Verified_Reviewer (verify, admin_id, user_id)
Verify Verified_Reviewer.admin_id references System Admin
Verify Verified_Reviewer.user_id references Verified Reviewer

Verify Development_Team (verify, admin_id, user_id)
Verify Verified_Reviewer.admin_id references System Admin
Verify Verified_Reviewer.user_id references Development Team