Spring 2023 COSC 386 Project

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**Schema “*GullCode*”**

users(

iD\_Number: string,

firstName: string,

lastName: string,

SU\_Email: string,

passwordHash: string,

passwordSalt: string,

profilePic: string

)

students(

iD\_Number: string,

personalEmail: string,

versonControl: string,

website: string

foreign key (iD\_Number) references users (iD\_Number)

)

administrators(

iD\_Number: string,

foreign key (iD\_Number) references users (iD\_Number)

)

judges(

iD\_Number: string

title: string

foreign key (iD\_Number) references users (iD\_Number)

)

teams(

teamName: string,

year: integer,

applicationStatus: string,

totalScore: float,

placement: string

)

team\_participants(

teamName: string,

year: integer,

iD\_Number: string,

foreign key (teamName, year) references teams(teamName, year),

foreign key (iD\_Number) references students(iD\_Number)

)

coding\_Challenges(

challengeID: int,

challengeName: string,

description: string,

year: int,

languages: string,

difficulty: string,

rules: string

)

team\_Submissions(

teamName: string,

year: integer,

challengeID: int,

submission: string,

language: string,

totalScore: float,

foreign key (teamName, year) references teams (teamName, year),

foreign key (challengeID) references coding\_Challenges (challengeID)

)

judge\_Grades(

iD\_Number: string,

teamName: string,

year: integer,

challengeID: int,

score: float,

comments: string,

foreign key (iD\_Number) references judges(iD\_Number),

foreign key (teamName, year, challengeID) references teamSubmissions(teamName, year, challengeID)

)