SOCIAL BATTERY

BY

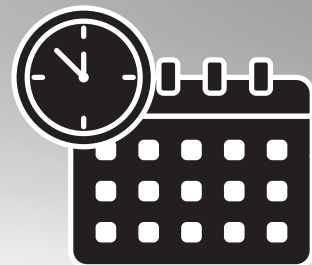ECEM ERDOGAN & SINEM ALTUN

CONTENT

ABOUT PROJECT

Web-based development that aims to categorize people by their sociability level and event preferences

Lets users sign up and personalize their account by their preferences in social life.

Ability to plan your days/months with the help of personalized event calendar in the home page.

SOCIAL BATTERY

PART 1: BACK -END

- ☑ JAVA
- ☑ SpringBoot

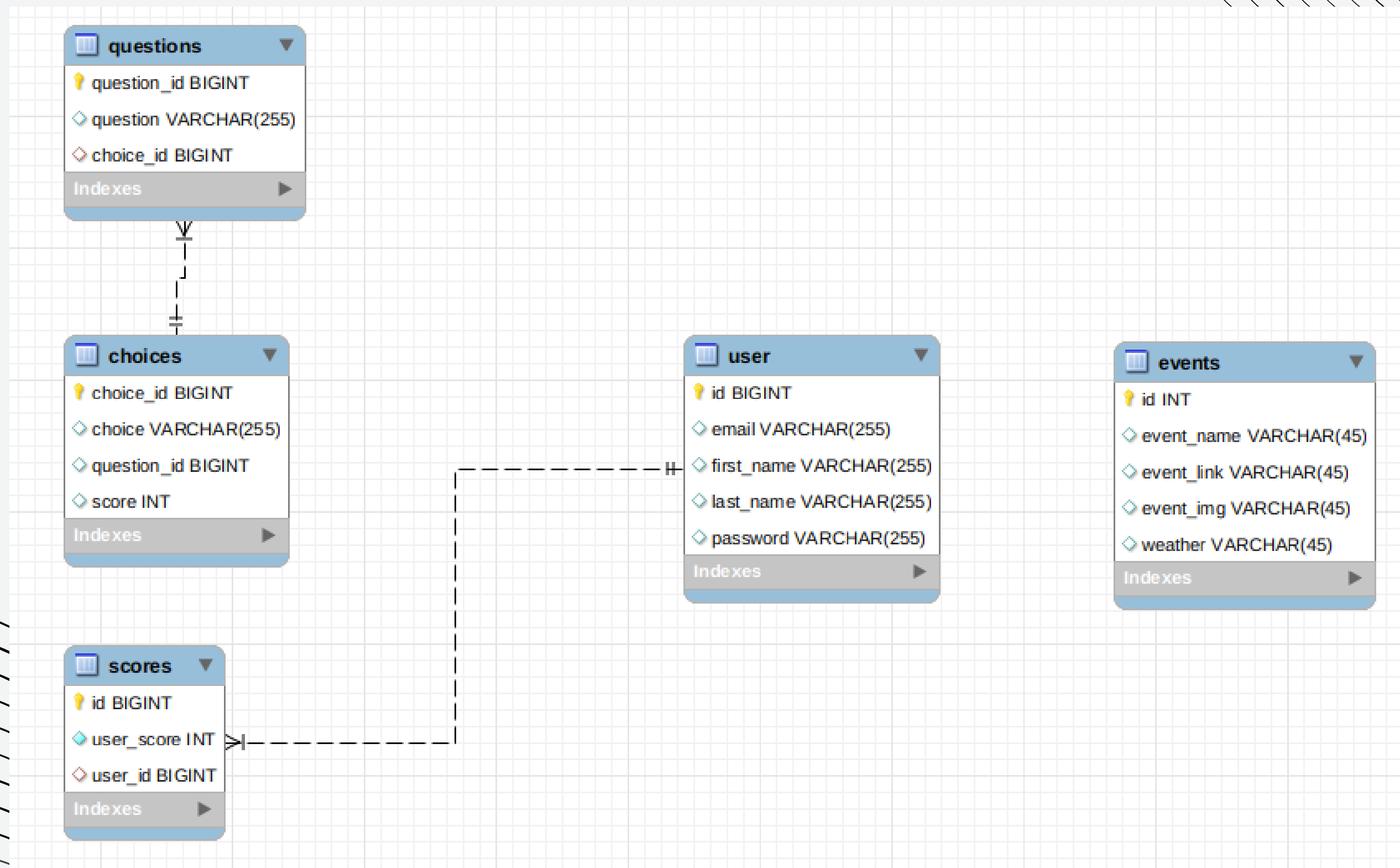## PART 2: FRONT-END

- ☑ HTML
- ☑ CSS
- ☑ JAVASCRİPT
- ☑ THYMELEAF

PART 3: DATABASE

- ☑ MySQL

UML DIAGRAM

model

Score
- id <Long>
- userScore <int>
- user <User>

+ Scores (Long, int,User)
+ getId(): Long
+ setId(Long)
+ getUserScore(): int
+ setUserScore(int)
+ getUser(): User
+ setUser(User)

0..1 / 1

Questions
- id <Long>
- question <String>
- chosenChoice <Choices>

+ Questions (String)
+ getChosenChoice(): Choices
+ setChosenChoices(Choices)

Choices
- id <Long>
- question_id <Long>
- choice<String>
- score <int>

+ Choices (Long,String,int)

WeatherInfo
- coord <Coord>
- weather List<Weather>
- base <String>
- mainInfo <MainInfo>
- visibility <int>
- wind <Wind>
- clouds <Clouds>
- dt <Long>
- sys <Sys>
- timezone <int>
- id <int>
- name <String>
- cod <int>

Wind
- speed <double>
- deck<int>

Clouds
- all <int>

Sys
- type <int>
- id <int>
- country <String>
- sunrise <Long>
- sunset <Long>

Weather
- id <int>
- main <String>
- description <String>
- icon <String>

MainInfo
- temp <double>
- feelslike <double>
- tempMin <double>
- tempMax <double>
- pressure <int>
- humidity <Int>

Current Weather Data
API 002 Subscribe

User
- id <Long>
- firstName<String>
- lastName <String>
- email <String>
- password <String>
- roles Collection<Role>

+ User (Long,String,String,String,String)
+ getRoles(): Collection<Role>
+ setRoles(Collection <Role>)

Role
- id <Long>
- name <String>

+ Scores (String)

Events
- id <Long>
- eventName <String>
- eventLink <String>
- eventImage <String>
- weather <String>

Events(Long,String,String,String)

service

<<interface>> SurveyService
+ getAll():String

<<interface>> UserService
+ save(registrationDto:UserRegistrationDto):User

SurveyImpl
- questionRepository <QuestionRepository> {final}
- choicesRepository <ChoicesRepository> {final}
- scoreRepository <ScoreRepository> {final}

+SurveyImpl(QuestionRepository,ChoicesRepository,ScoreRepository)
+getResult(List <Long>): int
+ saveScore(Scores)
+ getAll(): String
+ loadUserByUsername(String): UserDetails

extends

UserServiceImpl
- userRepository <UserRepository>
- passwordEncoder <BCryptPasswordEncoder>

+UserServiceImpl(UserRepository)
+ save(UserRegistrationDto): User
+ loadUserByUsername(String): UserDetails

extends

WeatherService
- apiKey <String> {final}
- apiUrl <String> {final}

+ getWeatherInfo(String): WeatherInfo

repository

JPA Entity

<<interface>> UserRepository
+ findByEmail (firstName:String):User

<<interface>> ChoicesRepository
+ findById (id:Long):Optional <Choices>

<<interface>> ScoreRepository
+ findByUserId (userId:Long):Optional <Scores>

<<interface>> EventsRepository
+ findById (id:Long):Optional <Events>

<<interface>> QuestionRepository
+ findById (id:Long):Optional <Questions>

controller

MainController
+ login (): String
+ home(): String

QuestionController
- questionRepository <QuestionRepository> {final}
- choicesRepository <ChoicesRepository> {final}
- scoreRepository <ScoreRepository> {final}
- userRepository <UserRepository> {final}
- eventsRepository <EventsRepository> {final}
- surveyService <SurveyImpl>
- score <Scores>
- submitted <boolean>

+SurveyImpl(QuestionRepository,ChoicesRepository,ScoreRepository,EventsRepository,UserRepository)
+getQuestions(Model): String
+ submit(List <Long>): String
+ showRecommendationPage(Model):String

UserRegistrationController
- userService <UserService>

+ UserRegistrationController(UserService)
+ userRegistrationDto():UserRegistrationDto
+ showRegistrationForm(): String
+ registerUserAccount(UserRegistrationDto): String

DATABASE & DATA TABLES

MECHANISM BEHIND THE SURVEY

Frequently Suggested.

Are you interested in handicrafts? If not, would you like to be encouraged to make handicrafts?

○ **Yes, I am interested.**

○ **No, but I would love to be encouraged.** → Rarely Suggested.

○ **No and I am satisfied by my condition.**

Rarely Suggested

If user is still not interested, stop suggesting.

If user participate once or twice, suggestion rate increase.

MECHANISM BEHIND THE SURVEY

More social activities are recommended.

Do you like meeting new people?

○ Yes, I would love that!

○ Depends on the occasion.

Tracks the users activity and understands which social occasions the user is more comfortable at..

○ No, I do not prefer.

Activities that the user can enjoy doing alone are recommended

Who do you enjoy listening to more? Turkish musicians, foreign musicians, or both?

○ Turkish Musicians, the most.

○ Foreign Musicians, the most.

○ I love listening to both.

SOCIAL BATTERY: GUI

SOCIAL BATTERY BY ECEM & SINEM

1

User Login

Email:

Enter Email

Password:

Enter Password

Log In   New user?
          Register here

Home   Logout   SOCIAL BATTERY BY ECEM & SINEM   Toggle Dark Mode

2

Home Page

Welcome Sinem

‹ › today
month week day

May 2023

Sun	Mon	Tue	Wed	Thu	Fri	Sat
30	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27

Istanbul   Weather / Weather Status
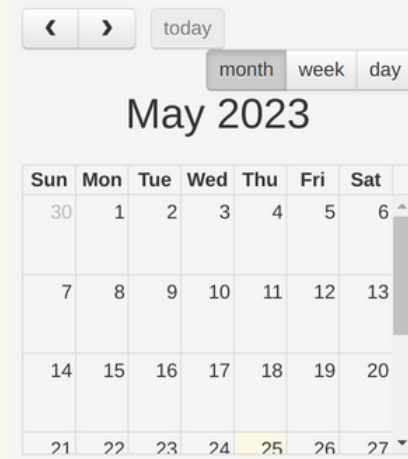
scattered
clouds

288.6   Wind Speed   2.06
°F   Humidity   82
            Pressure   1014

Survey

Social Battery Survey

3

How many times do you go out in a week?

○ 1-2 times.
○ 3-4 times.
○ Almost every day.

What do you prefer most to do on a rainy day?

○ Staying at home.
○ Meeting friends to chat for hours.
○ Going to the cinema on your own.

Which one is better for you on a sunny day? Go on a picnic alone or go to the open-air theater with your friends?

○ Go on a picnic alone.
○ Go to the open-air theater with your friends.
○ None of them.

Do you like meeting new people?

○ Yes, I would love that!
○ Depends on the occasion.
○ No, I do not prefer.

Home   Logout   SOCIAL BATTERY BY ECEM & SINEM

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Suggested Events

You completed the survey Sinem

Here are the suggested events based on your answers. Clicking on them will lead you to related websites!

Cinema   Library   Yoga   Concert

Walking   Food Festival   Music Festival   Coffee Festival

Dark Mode

THANKS
FOR
WATCHING