Milestone 2 Report

Team

SoPra Group 12

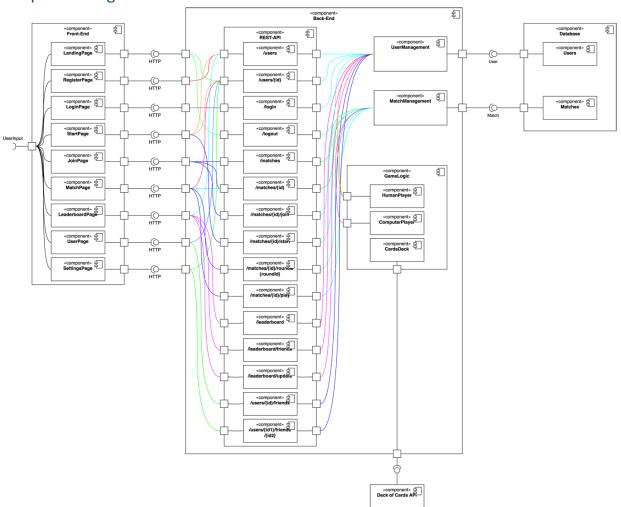
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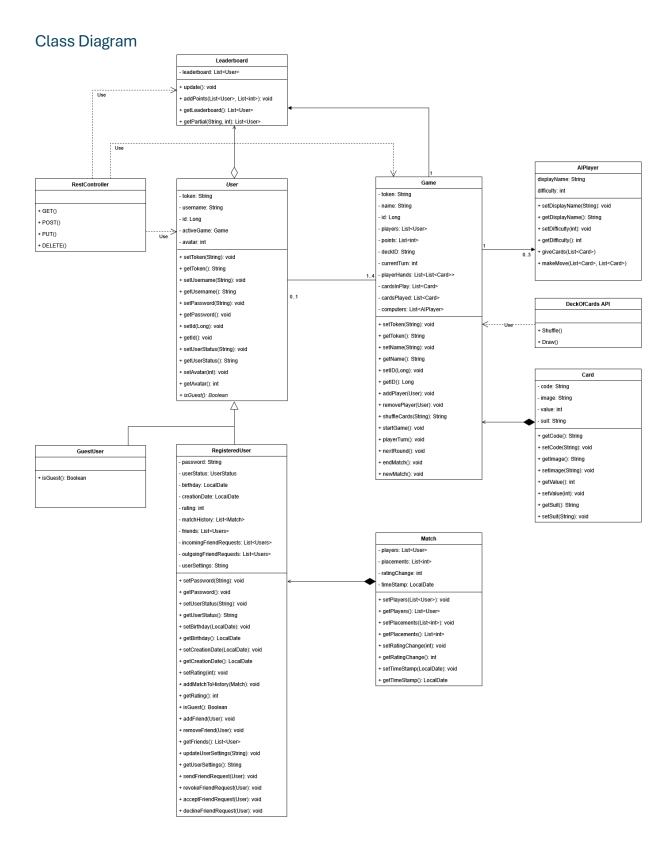
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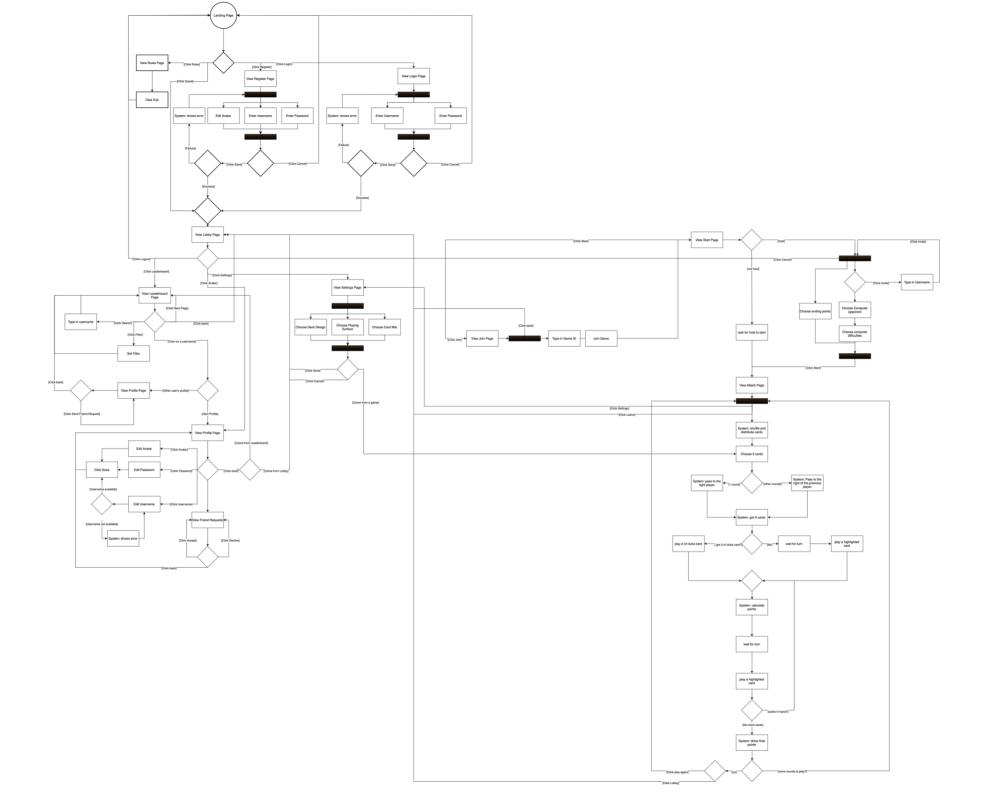
UML Diagrams

Component Diagram





Activity Diagram



REST Specification

Overview of Access Points

Mapping	Method	Request / DTO	Response / DTO	Status Code	Description
/users	POST	UserCreateDTO	UserDTO	201 Created	Successfully added user.
			ErrorResponseDTO	409 Conflict	Failed:username exists.
/users/{userId}	GET	Long userId	UserDTO	200 OK	Retrieve user profile with userId.
			ErrorResponseDTO	404 Not Found	User with <i>userId</i> was not found.
/users/{userId}	PUT	UserUpdateDTO	UserDTO	200 OK	Updated user profile.
			ErrorResponseDTO	404 Not Found	User with <i>userId</i> was not found.
/login	POST	LoginRequestDTO	LoginResponseDTO	200 OK	Successful login.
			ErrorResponseDTO	401 Unauthorized	Error: Faulty credentials.
/logout	POST		204 No Content	204 No Content	Successful logout.
			ErrorResponseDTO	401 Unauthorized	Denied logout: token was not ok.
/users/{userId1	GET	Long userId1	List <frienddto></frienddto>	200 OK	Get list of friends.
}/friends		Long userId2	ErrorResponseDTO	401 Unauthorized	User can only see their own friends.
/users/{userId1	POST	Long userId1	204 No Content	204 No Content	Friend added.
}/friends/{userl d2}		Long userId2	ErrorResponseDTO	404 Not Found	Found no User with userId2.
/users/{userId1	DEL	Long userId1	204 No Content	204 No Content	Friend removed.
}/friends/{userld2}		Long userId2	ErrorResponseDTO	404 Not Found	Found no User with userId2.
/matches	POST	MatchCreateDTO	MatchDTO	201 Created	Successfully created match.
7.11.01.01.00			ErrorResponseDTO	401 Unauthorized.	Error: Faulty token.
/matches/{mat	GET	Long matchld	MatchDTO	200 OK	Get match details.
chld}			ErrorResponseDTO	404 Not Found	No match with matchID found.
/matches/{mat	POST	PlayerDTO	MatchDTO	200 OK	Seat reserved on match.
chld}/join			ErrorResponseDTO	400 Bad Request	Joining not possible (e.g. overbooked).
/matches/{mat	POST	[GameOwnerOnly]	MatchDTO	200 OK	Start the game.
chld}/start			ErrorResponseDTO	403 Forbidden	Not all Players ready.
/matches/{mat	GET	Long matchID,	RoundDTO	200 OK	Get stats on round.
chld}/rounds/{r oundld}		int roundId	ErrorResponseDTO	404 Not Found	No such round played, yet.
/matches/{mat	POST	PlayCardDTO	PlayedCardDTO	200 OK	Card accepted in this round.
chld}/play/			ErrorResponseDTO	404 Not Found	No such game or round at play.
			ErrorResponseDTO	400 Bad Request	Illegal card played.
/leaderboard/	GET	n/a	LeaderBDTO	200 OK	Return leaderboard data.
/leaderboard/fr	GET	n/a	LeaderBDTO	200 OK	Return leaderboard data of friends only.
iends				401 Unauthorized	Only logged in users can use this feature.
/leaderboard/u	POST	LeaderBUpdateDTO	204 No Content	204 No Content	Score of listed players was updated.
pdate			ErrorResponseDTO	404 Not Found	This matchId/matchToken not found.
			ErrorResponseDTO	400 Bad Request	Mismatch of match and players.

DTOs

We are making use of the following DTOs:

User Management

UserCreateDTO (String username, String password)

UserDTO (Long id, String username, String userstatus, LocalDate birthday, LocalDate creationDate, int rating, List<UserDTO> friends, String userSettings, Bool isGuest)
UserUpdateDTO (String username, String password LocalDate birthday, String

userSettings)

LoginRequestDTO (String username, String password)

LoginResponseDTO (String token, Long userId, String username)

ErrorResponseDTO (String error, String message)

Match Management

MatchCreateDTO (Long matchId, String name, List<PlayerDTO> players)

MatchDTO (Long id, List<PlayerDTO> players, Bool started)

RoundDTO(int roundNumber, List<PlayedCardDTO> playedCards,

long currentTurnUserId)

PlayCardDTO (Long gameId, Long playerId, String card, int roundNumber)

PlayedCardDTO (Long gameId, Long playerId, String card)

PlayerDTO (Long userId, String username, Bool isAIPlayer)

Leaderboard Management

LeaderBDTO (List <UserDTO>)

LeaderBEntryDTO (Long userId, int points)

LeaderBUpdateDTO (Long gameld, String token, List < LeaderBEntryDTO > updates)

External API

The external API we will rely on is: "Deck of Cards: an API https://deckofcardsapi.com/>"

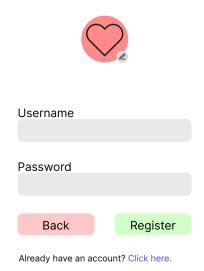
In Requests sent to that API, individual cards have names consisting of two alphanumeric symbols with the first representing the value as follows: [A] for ace, [2-9] for that exact card value, [0] for 10, [J] for jack, [Q] for queen and [K] for king. The second symbol denotes the suit as follows: [S] for Spades (\spadesuit), [D] for Diamonds (\spadesuit), [C] for Clubs (\spadesuit) and [H] for Hearts (\spadesuit). We will use the same nomenclature: So a legal card name is: /[02-9AJKQ][CDHS]/.

Mockup

Landing Page:



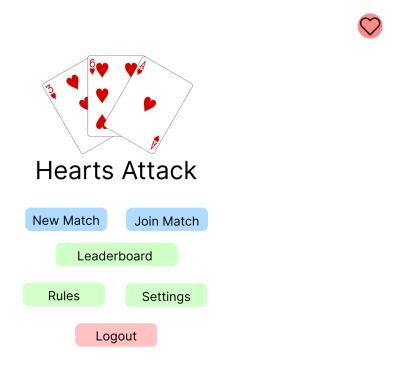
Register Page:



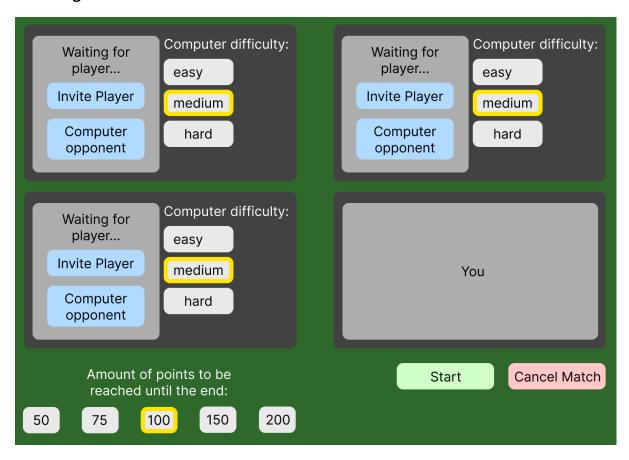
Login Page:



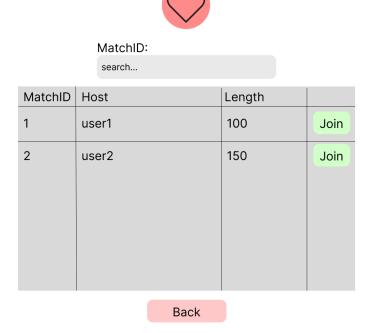
Landing Page User:



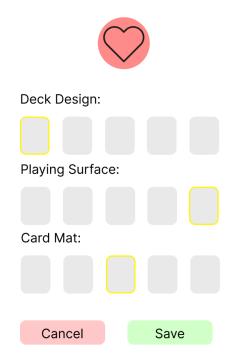
Start Page:



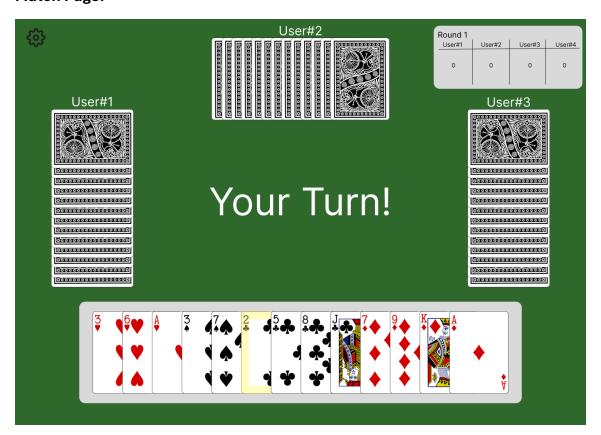
Join Page:



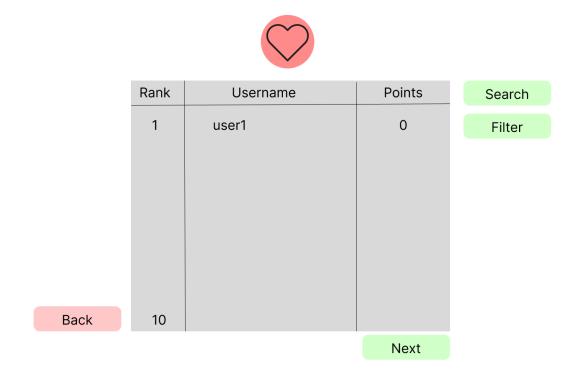
Settings Page:



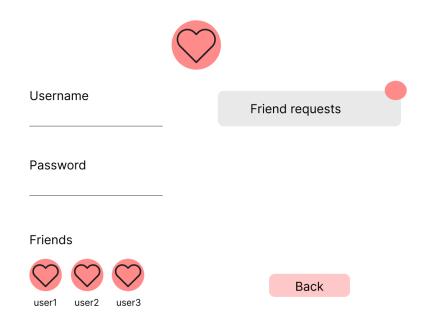
Match Page:



Leaderboard Page:



Profile Page (own):



Profile Page (others):

