



Team Yes
CSCC01H3 F - Introduction to Software Engineering
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CRC Cards

Back End

User.js	
Responsibilities <ul style="list-style-type: none">• Knows username• Knows password• Connected to a Profile• Knows phone number• Knows email	Collaborators <ul style="list-style-type: none">• Profile.js

Profile.js	
Responsibilities <ul style="list-style-type: none">• Knows the profile picture• Knows about• Knows status• Knows ACS• Knows questionnaire answers• Has a list of picks• Has a tracker of other Users	Collaborators <ul style="list-style-type: none">• User.js

Comment.js	
Responsibilities <ul style="list-style-type: none">• Knows its object id• Knows its username• Knows the date it was posted• Knows text• Knows number of agrees• Knows number of disagrees• Knows the users who agreed• Knows the users who disagreed	Collaborators

Match.js	
Responsibilities <ul style="list-style-type: none">• Knows team1• Knows team2	Collaborators

<ul style="list-style-type: none"> • Knows start • Knows end 	
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Post.js	
Responsibilities <ul style="list-style-type: none"> • Knows username • Knows the date it was posted • Knows content • Knows number of agrees • Knows number of disagrees • Knows the users who agreed • Knows the users who disagreed • Knows Comments 	Collaborators <ul style="list-style-type: none"> • Comment.js

Question.js	
Responsibilities <ul style="list-style-type: none"> • Knows question • Knows answer • Knows other answers 	Collaborators

DebateController.js	
Responsibilities <ul style="list-style-type: none"> • Handles all HTTP requests to the debate module • Has logic to parse the HTTP requests • Verify data before sending to model 	Collaborators <ul style="list-style-type: none"> • DatabaseCreate.js • DatabaseRead.js • DatabaseUpdate.js • DatabaseDelete.js

LoginController.js	
Responsibilities <ul style="list-style-type: none"> • Handles all HTTP requests to the login module • Has logic to parse the HTTP requests • Verify data before sending to model to 	Collaborators <ul style="list-style-type: none"> • DatabaseCreate.js • DatabaseRead.js • DatabaseUpdate.js • DatabaseDelete.js

authenticate user	
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TheZoneController.js	
Responsibilities <ul style="list-style-type: none"> • Handles all HTTP requests to the Zone module • Has logic to parse the HTTP requests • Verify data before sending to model 	Collaborators <ul style="list-style-type: none"> • DatabaseCreate.js • DatabaseRead.js • DatabaseUpdate.js • DatabaseDelete.js

UserController.js	
Responsibilities <ul style="list-style-type: none"> • Handles all HTTP requests to the user module • Has logic to parse the HTTP requests • Verify data before sending to model 	Collaborators <ul style="list-style-type: none"> • DatabaseCreate.js • DatabaseRead.js • DatabaseUpdate.js • DatabaseDelete.js

ProfileController.js	
Responsibilities <ul style="list-style-type: none"> • Handles all HTTP requests to the profile module • Has logic to parse the HTTP requests • Verify data before sending to model 	Collaborators <ul style="list-style-type: none"> • DatabaseCreate.js • DatabaseRead.js • DatabaseUpdate.js • DatabaseDelete.js

SignupController.js	
Responsibilities <ul style="list-style-type: none"> • Handles all HTTP requests to the profile module • Has logic to parse the HTTP requests • Verify data before sending to model 	Collaborators <ul style="list-style-type: none"> • DatabaseCreate.js • DatabaseRead.js • DatabaseUpdate.js • DatabaseDelete.js

TriviaController.js	
Responsibilities <ul style="list-style-type: none"> • Handles all HTTP requests to the trivia module 	Collaborators <ul style="list-style-type: none"> • DatabaseCreate.js • DatabaseRead.js

<ul style="list-style-type: none"> • Has logic to parse the HTTP requests • Verify data before sending to model 	<ul style="list-style-type: none"> • DatabaseUpdate.js • DatabaseDelete.js
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PicksPredictionsController.js	
Responsibilities <ul style="list-style-type: none"> • Handles all HTTP requests to the picks and predictions module • Has logic to parse the HTTP requests • Verify data before sending to model 	Collaborators <ul style="list-style-type: none"> • DatabaseCreate.js • DatabaseRead.js • DatabaseUpdate.js • DatabaseDelete.js

DatabaseCreate.js	
Responsibilities <ul style="list-style-type: none"> • Handles any request to create documents in the database. 	Collaborators <ul style="list-style-type: none"> • DatabaseRead.js

DatabaseRead.js	
Responsibilities <ul style="list-style-type: none"> • Handles any request to read documents in the database. 	Collaborators <ul style="list-style-type: none"> • DatabaseCreate.js • DatabaseUpdate.js • DatabaseDelete.js

DatabaseUpdate.js	
Responsibilities <ul style="list-style-type: none"> • Handles any request to update existing documents in the database. 	Collaborators <ul style="list-style-type: none"> • DatabaseRead.js • DatabaseDelete.js

DatabaseDelete.js	
Responsibilities <ul style="list-style-type: none"> • Handles any request to delete existing documents in the database. 	Collaborators <ul style="list-style-type: none"> • DatabaseRead.js

DatabaseHelper.js	
Responsibilities <ul style="list-style-type: none"> • Helps the other Database classes by providing constants. 	Collaborators

StatusMessages.js	
Responsibilities <ul style="list-style-type: none"> Contains status messages for responses the controller classes will use. 	Collaborators

Front end

App.jsx	
Responsibilities <ul style="list-style-type: none"> Display different pages depending on state Tracks current user logged in 	Collaborators <ul style="list-style-type: none"> SignupPage.jsx LoginPage.jsx ProfilePage.jsx OpenCourtPage.jsx TheZonePage.jsx TriviaPage.jsx DebatePage.jsx PicksAndPredictionsPage.jsx TopNavBar.jsx

index.js	
Responsibilities <ul style="list-style-type: none"> Renders the App component (topmost level container of the application) into the html page that will be shown to the user 	Collaborators <ul style="list-style-type: none"> App.jsx

HttpClient.jsx	
Responsibilities <ul style="list-style-type: none"> Holds common information necessary for front to back end connection 	Collaborators

Note: reportWebVitals.js, setupTests.js were auto-generated files from Create React App and are separate from the system design.

Signup

SignupCalls.js

Responsibilities <ul style="list-style-type: none"> • Send sign up information to backend server using HTTP to create a new account • Check if a username, phone, or email already exists 	Collaborators <ul style="list-style-type: none"> • HttpClient.jsx
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SignupPage.jsx	
Responsibilities <ul style="list-style-type: none"> • Display the signup form • Send sign up information to SignupCalls to create a new account 	Collaborators <ul style="list-style-type: none"> • SignupCalls.js

Login

LoginCalls.js	
Responsibilities <ul style="list-style-type: none"> • Call the backend server to login and authenticate user 	Collaborators <ul style="list-style-type: none"> • HttpClient.jsx

LoginPage.jsx	
Responsibilities <ul style="list-style-type: none"> • Display the login form • Sends the login details to the LoginCalls to log the user in 	Collaborators <ul style="list-style-type: none"> • LoginCalls.js

Profile

ProfileCalls.js	
Responsibilities <ul style="list-style-type: none"> • Call the backend server to access the profile information of wanted user(s) • Call the backend server to edit profile information of the currently logged in user 	Collaborators <ul style="list-style-type: none"> • HttpClient.jsx

ProfilePage.jsx	
Responsibilities	Collaborators

<ul style="list-style-type: none"> • Display the components in Profile • Know all information regarding a users profile as well as the current user • Give profile information to appropriate children • Call fetch to retrieve and send info in server • Receives and controls input from collaborators 	<ul style="list-style-type: none"> • ProfileCalls.js • ProfilePicture.jsx • ProfileAbout.jsx • ProfileStatus.jsx • ProfileACS.jsx • ProfileSocial.jsx • ProfileRadar.jsx
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ProfilePicture.jsx	
Responsibilities <ul style="list-style-type: none"> • Display the profile picture • Upload a profile picture from the user's given link • Save changes to the profile picture 	Collaborators <ul style="list-style-type: none"> • ProfilePage.jsx

ProfileAbout.jsx	
Responsibilities <ul style="list-style-type: none"> • Display the about section in profile • Edit the about section • Save changes to the profile about 	Collaborators <ul style="list-style-type: none"> • ProfilePage.jsx

ProfileStatus.jsx	
Responsibilities <ul style="list-style-type: none"> • Display the profile status • Edit the profile status • Save change to the profile status 	Collaborators <ul style="list-style-type: none"> • ProfilePage.jsx

ProfileACS.jsx	
Responsibilities <ul style="list-style-type: none"> • Display the ACS of the wanted user 	Collaborators <ul style="list-style-type: none"> • ProfilePage.jsx

ProfileSocial.jsx

Responsibilities <ul style="list-style-type: none"> • Save links to social media of user • Display social media links of wanted user 	Collaborators <ul style="list-style-type: none"> • ProfilePage.jsx
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ProfileRadar.jsx	
Responsibilities <ul style="list-style-type: none"> • Have button to allow follow/unfollow • Display a list of followed users with acs for a given users • Access other profiles on followed list 	Collaborators <ul style="list-style-type: none"> • ProfilePage.jsx

The Zone

TheZoneCalls.js	
Responsibilities <ul style="list-style-type: none"> • Manages getting and sending posts datas from backend 	Collaborators <ul style="list-style-type: none"> • HttpClient.jsx

TheZonePage.jsx	
Responsibilities <ul style="list-style-type: none"> • Display the components for the zone 	Collaborators <ul style="list-style-type: none"> • TheZone.jsx

TheZone.jsx	
Responsibilities <ul style="list-style-type: none"> • Provides navigation to the other pages of the app • Display posts of users 	Collaborators <ul style="list-style-type: none"> • TheZonePostList.jsx

TheZoneCreatePost.jsx	
Responsibilities <ul style="list-style-type: none"> • Display the editor to create a Post • Send input to TheZoneCalls 	Collaborators <ul style="list-style-type: none"> • TheZoneCalls.js

TheZonePost.jsx	
Responsibilities <ul style="list-style-type: none"> • Display the post components • Display the content of the post • Get content of the post from the back end with TheZoneCalls • Send input to back end with TheZoneCalls 	Collaborators <ul style="list-style-type: none"> • TheZoneCreateComment.jsx • TheZoneComment.jsx • TheZoneCalls.js • TheZoneAgree.jsx

TheZonePostList.jsx	
Responsibilities <ul style="list-style-type: none"> • Get list of posts to display from the backend • Add a post to front end if a post is created in the back end • Remove a post in the front end if it is removed from the back end 	Collaborators <ul style="list-style-type: none"> • TheZoneCalls.js • TheZoneCreatePost.jsx

TheZoneCreateComment.jsx	
Responsibilities <ul style="list-style-type: none"> • Display the editor to create a comment • Send input to TheZoneCalls 	Collaborators <ul style="list-style-type: none"> • TheZoneCalls.js

TheZoneComment.jsx	
Responsibilities <ul style="list-style-type: none"> • Display comments to a post • Get comments to a post from 	Collaborators <ul style="list-style-type: none"> • TheZoneCalls.js • TheZoneAgree.jsx

TheZoneCalls	
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TheZoneAgree.jsx	
Responsibilities <ul style="list-style-type: none"> • Display votes of a post/comment • Get votes for a post/comment from TheZoneCalls • Display buttons to vote on a post/comment • Submit and update votes for a post/comment with TheZoneCalls 	Collaborators <ul style="list-style-type: none"> • TheZoneCalls.js

- Components that is not used in the zone

ScoreTicker.jsx	
Responsibilities <ul style="list-style-type: none"> • Displaying Live Game data and notifications for the user • Get data from the 	Collaborators <ul style="list-style-type: none"> • TheZoneCalls.jsx

Note: Not used in current implementation of the zone

TheZoneAgreeScale.jsx	
Responsibilities <ul style="list-style-type: none"> • Displays a scale from 0-100 to agree/disagree with a post and a button to submit • Send user input for agree percentage to the back end with TheZoneCalls • Get new agree percentage with TheZoneCalls to display on the front-end 	Collaborators <ul style="list-style-type: none"> • TheZoneCalls.jsx

Note: Refactored into DebateAgree and to be deleted

Trivia

TriviaCalls.js	
Responsibilities <ul style="list-style-type: none"> Manages sending and receiving questions and answers for trivia with backend server Manages gains/losses of users after trivia gameplay 	Collaborators <ul style="list-style-type: none"> HttpClient.jsx

TriviaPage.jsx	
Responsibilities <ul style="list-style-type: none"> Display the Trivia game 	Collaborators <ul style="list-style-type: none"> TriviaGame.jsx

TriviaGame.jsx	
Responsibilities <ul style="list-style-type: none"> Handles game state Displays the components corresponding to the game state 	Collaborators <ul style="list-style-type: none"> TriviaStart.jsx TriviaResult.jsx TriviaTimer.jsx TriviaQuestion.jsx TriviaAnswer.jsx

TriviaStart.jsx	
Responsibilities <ul style="list-style-type: none"> Gives user the option to choose between a Solo game or Head to Head game 	Collaborators

TriviaResult.jsx	
Responsibilities <ul style="list-style-type: none"> Display the current round number and how many answers the user got correct Update after each trivia round Send the result to the TriviaCalls when match finish and compute the ACS score gain/loss Display ACS score gain/loss 	Collaborators <ul style="list-style-type: none"> TriviaCalls.js

TriviaTimer.jsx	
Responsibilities <ul style="list-style-type: none"> • Display the timer in a trivia game • Update time every second or at a new round 	Collaborators

TriviaQuestion.jsx	
Responsibilities <ul style="list-style-type: none"> • Display the question for the round • Get question for the round from TriviaCalls 	Collaborators <ul style="list-style-type: none"> • TriviaCalls.js

TriviaAnswer.jsx	
Responsibilities <ul style="list-style-type: none"> • Display the answers for the round • Get answers for the round from the TriviaCalls • Send user input to TriviaCalls 	Collaborators <ul style="list-style-type: none"> • TriviaCalls.js

Debate

DebateCalls.js	
Responsibilities <ul style="list-style-type: none"> • Manages sending and receiving questions and answers for Debate 	Collaborators <ul style="list-style-type: none"> • HttpClient.jsx

DebatePage.jsx	
Responsibilities <ul style="list-style-type: none"> • Display the components in Debate 	Collaborators <ul style="list-style-type: none"> • DebateCreatePost.jsx • DebatePost.jsx

DebateCreatePost.jsx	
Responsibilities <ul style="list-style-type: none"> • Display the editor to create a post for debate • Get the current debate topic from DebateCalls • Send input to DebateCalls 	Collaborators <ul style="list-style-type: none"> • DebateCalls.jsx

DebatePost.jsx	
Responsibilities <ul style="list-style-type: none"> • Display the debate post components • Get the datas for the answer to a debate from DebateCalls 	Collaborators <ul style="list-style-type: none"> • DebateCalls.jsx • DebateAgree.jsx

DebateAgree.jsx	
Responsibilities <ul style="list-style-type: none"> • Display percentage of people agree with the post • Get percentage of people agree with the post from DebateCalls • Get ACS gained from debate post from DebateCalls • Display ACS gained from debate post • Display slider from 0-100 and button to agree on a scale • Send user input to DebateCalls and update the agree percentage on front end 	Collaborators <ul style="list-style-type: none"> • DebateCalls.jsx

DebatePostList.jsx	
Responsibilities <ul style="list-style-type: none"> • Display the list of posts in a debate • Get list of posts to display from back-end with DebateCalls 	Collaborators <ul style="list-style-type: none"> • DebateCalls.jsx • DebatePost.jsx

Picks And Predictions

PicksAndPredictionsCalls.js

Responsibilities <ul style="list-style-type: none"> Manages sending and receiving picks and predictions of current user 	Collaborators <ul style="list-style-type: none"> HttpClient.jsx
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PicksAndPredictionsPage.jsx	
Responsibilities <ul style="list-style-type: none"> Display the components in Picks and Predictions 	Collaborators <ul style="list-style-type: none"> DailyPicks.jsx PreseasonPicks.jsx PlayOffPicks.jsx

DailyPicks.jsx	
Responsibilities <ul style="list-style-type: none"> Display the list of daily picks Get the list of matches for the day from PicksAndPredictionsCalls 	Collaborators <ul style="list-style-type: none"> PicksAndPredictionsCalls.js DailyPick.jsx

DailyPick.jsx	
Responsibilities <ul style="list-style-type: none"> Display the components in daily pick Display DailyPickResult if game is ongoing or ended and DailyPickChoose if game haven't started yet 	Collaborators <ul style="list-style-type: none"> DailyPickMatch.jsx DailyPickResult.jsx DailyPickChoose.jsx

DailyPickMatch.jsx	
Responsibilities <ul style="list-style-type: none"> Get the matchup from the PicksAndPredictionCalls Display the matchup 	Collaborators <ul style="list-style-type: none"> PicksAndPredictionsCalls.js

DailyPickResult.jsx	
Responsibilities <ul style="list-style-type: none"> Get the result from the 	Collaborators <ul style="list-style-type: none"> PicksAndPredictionsCalls.js

PicksAndPredictionsCalls <ul style="list-style-type: none"> • Display the result and ACS gained/loss • Update the result live from PicksAndPredictionCalls if match is ongoing 	
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DailyPickChoose.jsx	
Responsibilities <ul style="list-style-type: none"> • Checkbox to choose between the two teams • Send user input to PicksAndPredictionsCalls on match start 	Collaborators <ul style="list-style-type: none"> • PicksAndPredictionsCalls.js

PreseasonPicks.jsx	
Responsibilities <ul style="list-style-type: none"> • Display the components for preseason picks during preseason • Sends user input to PicksAndPredictionsCalls to keep track of player picks • Get data from PicksAndPredictionsCalls to display NBA preseason data for picks 	Collaborators <ul style="list-style-type: none"> • PicksAndPredictionsCalls.js

PlayoffPicks.jsx	
Responsibilities <ul style="list-style-type: none"> • Display the components for playoff during NBA playoff • Sends user input to PicksAndPredictionsCalls to keep track of player picks 	Collaborators <ul style="list-style-type: none"> • PicksAndPredictionsCalls.js • PlayoffBracket.jsx

PlayoffBracket.jsx	
Responsibilities <ul style="list-style-type: none"> • Display the playoff bracket during NBA playoff • Sends user input to PicksAndPredictionsCalls to keep track of bracket picks • Get results of the playoff bracket form PicksAndPredictionsCalls 	Collaborators <ul style="list-style-type: none"> • PicksAndPredictionsCalls.js

Nav Bar

TopNavBar.jsx	
Responsibilities <ul style="list-style-type: none"> • Display the logo • Display the button to go back to the zone • Display the current user logged in 	Collaborators <ul style="list-style-type: none"> • CurrentUser.jsx

CurrentUser.jsx	
Responsibilities <ul style="list-style-type: none"> • Display the current user's name and picture • Display a dropdown menu when clicked 	Collaborators <ul style="list-style-type: none"> • DropdownButton.jsx

DropdownButton.jsx	
Responsibilities <ul style="list-style-type: none"> • Display button to redirect to profile page • Display button to log out 	Collaborators

Open Court

Note: Merged into TheZonePage and to be deleted

OpenCourtPage.jsx	
Responsibilities <ul style="list-style-type: none">• Display posts• Create, delete, modify posts	Collaborators

MVC Architecture

