App

Responsibilities
- The host container of the app
- All repeated UI elements are in here

Collaborators
- None

Parent Class: None

Child Classes: LoginComponent,
SignUpComponent
ProfileComponent,
TheZoneComponent

Login

Responsibilities
- Authenticate user with username/pass
- Provide entry to the Signup page for new users
- Direct users to the home page after successful login
- Stores the authentication token in a centralized location

Collaborators
- SignUp
- TheZone

Parent Class: App

Child Classes: None

Signup

Responsibilities
- Record the username/password (basic info)
- Ask 6 question questionnaire
- Take new signed up users into the application

Collaborators
- TheZone

Parent Class: App

Child Classes: None

OpenCourt

Responsibilities
- Display posts
- Open up a modal to create posts

Collaborators: Post, CreatePost

Parent Class: None

Child Classes: None

Profile

Responsibilities
- Display the user's profile picture
- Allow user to upload a new profile picture
- Display information about the user
- Edit existing information about the user
- Display the status of the user
- Edit status of the user

Collaborators: None

Parent Class: App

Child Classes: None

TheZone

Responsibilities
- Display previews of all features and redirect
  users to those features when clicked

Collaborators: OpenCourt,
Trivia,
PicksAndPredictions
Debate

Parent Class: App

Child Classes: None

CreatePost

Responsibilities
- Display a form with a title field and content field
- Allow user to hit submit which will create the post

Collaborators: None

Parent Class: None

Child Classes: None

Post

Responsibilities
- Display the info of a post (title/content/agree/disagree)
- Show buttons to agree/disagree on a post
- Display comment section

Collaborators: CommentSection

Parent Class: None

Child Classes: None

CommentSection

Responsibilities
- Have a comment form to reply to the post
- Display a list of comments

Collaborators: Comment

Parent Class: None

Child Classes: None

Comment

Responsibilities
- Display the user of the comment
- Display the timestamp
- Display the content of the comment
- Display which post/comment this comment
  is replying to

Collaborators: None

Parent Class: None

Child Classes: None

Trivia

Responsibilities
- Display option for setting up a solo game
  or multi-player game
- Makes sure both players in head to head
  trivia hasn't surpassed their daily limits
- Invite another user to play multi-player game

Collaborators: SoloTrivia, HeadToHeadTrivia

Parent Class: None

Child Classes: None

SoloTrivia

Responsibilities
- Display 1 question at a time (10 times)
- Set question's timer to be 14 seconds
- Update ACS Score after 10 questions answe

Collaborators: TriviaQuestion

Parent Class: None

Child Classes: None

HeadToHeadTrivia

Responsibilities
- Display 1 question at a time (10 times)
- Set question's time will be 10 seconds
- Notify the other user that the game
  is over when completed
- Update the ACS scores once both players are do
- Add a tiebreaker question if they are tied
- Decide the winner based on who answered first

Collaborators: TriviaQuestion

Parent Class: None

Child Classes: None

TriviaQuestion

Responsibilities
- Display Question and Answers pair
- Display input fields to select/submit an answe
- Show if the answer was correct or not
- Have a timer of x seconds

Collaborators: None

Parent Class: None

Child Classes: None

Predictions

Responsibilities
- Display options to make Daily Picks
  , preseason predictions, or playoff brackets

Collaborators: DailyPicks, PreseasonPredictions
PlayoffBracket

Parent Class: None

Child Classes: None

DailyPick

Responsibilities
- Display a list of historical games and results
 - Display a list of daily games and input
  fields to predict

Collaborators: Game

Parent Class: None

Child Classes: None

PreseasonPredictions

Responsibilities
- Display a list of historical preseason picks
 and results
- Display a list of predictions for various
 categories and input fields to select an answer

Collaborators: PreseasonPrediction

Parent Class: None

Child Classes: None

PreseasonPrediction

Responsibilities
- Shows the category
- Show a dropdown or input field to select an
 answer
- For historical predictions, show the outcome

Collaborators:None

Parent Class: None

Child Classes: None

Game

Responsibilities
- Show the two teams
- For historical games,
   Show the score (outcome)
- Show the prediction
- Show the input field to predict a winner

Collaborators: None

Parent Class: None

Child Classes: None

PlayoffBracket

Responsibilities
- Display a list of matchups for all rounds
- Show brackets for all past years results

Collaborators: **PlayoffMatchup**

Parent Class: None

Child Classes: None

PlayoffMatchup

Responsibilities
- Show the two teams
- Display button to choose the winner of the matchup
- Choose how many games won/lost

Collaborators: None

Parent Class: None

Child Classes: None

Debate

Responsibilities
- Displays the state of the debate

Collaborators: GiveDebateAnswer, ViewDebateAnswers

Parent Class: None

Child Classes: None

GiveDebateAnswer

Responsibilities
- Diplays the question of the day
- Shows input field to post analysis

Collaborators: None

Parent Class: None

Child Classes: None

ViewDebateAnswers

Responsibilities
- Shows the question of the day
- Shows users and their answers to the question

Collaborators: None

Parent Class: None

Child Classes: None