

System Design - CSCC01

SportCred

Muhammad Osman Amjad - osmanamjad

Kshitij Dahal - kshitij-dahal

Mahamad Jawad Jawid - jawadjawid

Maninder Dhanauta - dhanauta

Jimmy Yu - yujimmy1

Piyush Ukani - ukanipiy

Vineet Desai - desaivi2

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EditableUserInfoItem

- | | |
|--|--|
| <ul style="list-style-type: none"> • Knows the prompt • Knows the answer • Can set/get prompt • Can set/get answer | <ul style="list-style-type: none"> • EditableText |
|--|--|

EditableText

- | | |
|---|--|
| <ul style="list-style-type: none"> • Knows its value • Knows if it is in edit mode or not • Knows if it has a validation error or not • Knows the validation message to display • Can display its value with an edit button to its right • Can make text editable if text itself or edit button is clicked • Can validate user input once text is out of focus and display appropriate error message | |
|---|--|

EditUserInfoDetails

- | | |
|--|--|
| <ul style="list-style-type: none"> • Knows when save button is disabled • Knows basic user information including full name, date of birth, email, phone, and questionnaire answers | <ul style="list-style-type: none"> • EditableUserInfoItem • setUserProfile |
|--|--|

FriendsLineUp

- | | |
|--|--|
| <ul style="list-style-type: none"> • Knows list of friends • Can display list of friends | <ul style="list-style-type: none"> • UserIcon |
|--|--|

NavBar

- | | |
|---|---|
| <ul style="list-style-type: none">• knows the link each item leads to | <ul style="list-style-type: none">• Profile• LandingPage |
|---|---|

Profile

- | | |
|--|---|
| <ul style="list-style-type: none">• Knows basic user information including full name, date of birth, email, phone, and questionnaire answers• Knows list of friends• Knows the activities in the history report• Knows the acs score• Displays basic user information, questionnaire answers, list of friends, activities in history report and acs score• Can set username, fullName, email, date of birth, userIcon, phone #, questionnaire answers, about fields• ACS score can be calculated• Can create/delete posts | <ul style="list-style-type: none">• UserBasicInfo• UserACSScore• UserAboutInfo• FriendLineUp• NavBar• getUserProfile• UserIcon• Post |
|--|---|

UserAboutInfo

- | | |
|--|---|
| <ul style="list-style-type: none">• Knows basic user information including full name, date of birth, email, phone, and questionnaire answers• Can display edit user info dialog if edit button is pressed | <ul style="list-style-type: none">• EditUserInfoDetails |
|--|---|

UserACSScore

- | | |
|---|--|
| <ul style="list-style-type: none">• Knows the acs score• Knows the acs history report• Can display the acs score• Can display history report button which opens history report dialog if pressed | <ul style="list-style-type: none">• UserACSHistoryReport |
|---|--|

UserACSHistoryReport

- | | |
|---|--|
| <ul style="list-style-type: none">• Knows the activities in the history report• Knows the starting and ending acs score for each activity in the history report• Can display each activity along with its starting and ending score | |
|---|--|

Landingpage

- | | |
|--|--|
| <ul style="list-style-type: none">• Can route to login page and signup modal• Knows: signup modal state (open, closed)• Can set/get signup modal state | <ul style="list-style-type: none">• -Signup• -Login |
|--|--|

Login

- | | |
|--|--|
| <ul style="list-style-type: none">• Can login user• Knows submitted username• Knows submitted password• Knows when to display an error message• Knows when to keep user logged in• Knows content of error message• Can handle any field change• Can handle submit• Can redirect to profile page on success | <ul style="list-style-type: none">• backendConnector.login |
|--|--|

Signup

- | | |
|---|---|
| <ul style="list-style-type: none">• Respo: can create a user• Knows: when the email field has error• Knows: when a username field has error• Knows: when phone field has error• Knows: when date of birth has error• Knows: when full name has error• Knows: when to redirect to login page• Knows: the submitted username• Knows the submitted password• Knows the submitted phone number• Knows the submitted date of birth• Knows the submitted full name• Knows the submitted fav sport• Knows the submitted level played• Knows sport to learn• Knows fav team• Can handle a field change• Can submit results to api• Can show error• Can redirect to login page on success | <ul style="list-style-type: none">• backendConnector.signup |
|---|---|

backendConnector.Login

- Handles all login and logout api calls
- Can set isLoggedIn
- Can set isReadingCookie
- Can set currentUser

backendConnector.Signup

- Can send post api calls to create a user
- Can check if the signup fields has valid input

backendConnector.Profile

- Make all the rest api calls related to profile
- Can set all user information (userIcon, friends, acsScore, acsHistoryReport)
- Can change user data through api calls (set/edit)

UserIconUpload

- Knows image form data
 - Knows if image is currently being uploaded or not
 - Can set display upload icon if no image is uploaded yet
 - Can set image display if image exists
 - Can save image to DB
 - Can cancel image upload
- backendConnector.profile

UserIconEditable

- | | |
|--|--|
| <ul style="list-style-type: none">• Knows when user hovers over user icon• Knows when user clicks on user icon• Can display edit icon if mouse is hovered over user icon• Can open userIconUpload if user icon is clicked | <ul style="list-style-type: none">• userIconUpload |
|--|--|

UserIcon

- | | |
|---|--|
| <ul style="list-style-type: none">• Knows its size• Knows full name of person whos icon to show (if imgsrc provided does not work)• Knows image source of picture• Can display image from image source | |
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UserBasicInfo

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|--|--|
| <ul style="list-style-type: none">• Knows the image source url• Knows the username• Can display the user icon and username | <ul style="list-style-type: none">• UserIconEditable |
|--|--|

Post

- | | |
|---|---|
| <ul style="list-style-type: none">• Post can have comments by users• Post can contain images• Can get the content of the post provided by the user• Can get the username of the poster• Content of the post can be edited | <ul style="list-style-type: none">• Profile |
|---|---|

Trivia

- | | |
|--|---|
| <ul style="list-style-type: none"> • Knows the users that are playing either solo or one-on-one • Knows trivia questions/answers • Can calculate trivia points/score for the user • Can keep track of the time length of the trivia game • Can update the users ACS score depending on the outcome of the trivia game | <ul style="list-style-type: none"> • Profile • UserACSScore |
|--|---|

Picks & Predictions

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|---|---|
| <ul style="list-style-type: none"> • Knows all the sports team in the given sport • Knows all the sports players in the given sport • Knows the upcoming season schedule (including playoff schedules) • Can calculate the accuracy of the users predictions • Can keep track of users picks and predictions, for games • Can update the users ACS score based on their picks and predictions • Can update the users ACS history based on their previous picks | <ul style="list-style-type: none"> • Profile • UserACSScore • UserACSHistoryReport |
|---|---|

Debate

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|--|---|
| <ul style="list-style-type: none"> • Knows debate topics/questions • Knows the ACS tier of the user • Can pair you up with same tier users to debate • Can keep track of the discussions that users have • Can keep track of the user agreement/disagreement scale • Can update a profiles ACS score based on their agree/disagree scale | <ul style="list-style-type: none"> • Profile • Post • UserACSScore • UserACSHistoryReport |
|--|---|

Server Controller

- Can handle API requests from the frontend, do some CRUD operations with the database, and send an appropriate response back

- backendConnector.Login
- backendConnector.Signup
- backendConnector.Profile

