

## System Design - CSCC01 Sprint 1

### SportCred

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## EditableUserInfoItem

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

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

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

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

## NavBar

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

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

## UserAboutInfo

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

## UserACSScore

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

## UserACSHistoryReport

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

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

## Login

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

## Signup

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

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

## UserIcon

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

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

## Post

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



## Trivia

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

## Picks & Predictions

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

## Debate

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

