**ICE ASSIGNMENT Part A**

**User Story API usage examples**

[https://api.squiggle.com.au](https://api.squiggle.com.au/?q=teams)

**“As a fan, I want to see the prediction that my team will win their next game”**

Step 1:

Find game ID for users team <https://api.squiggle.com.au/?q=games;year=2019;round=20>

IF (ateam = “Carlton” || hteam = “Carlton)

gameID = ID

Step 2:

Use ID to gather all the tips for user’s team

<https://api.squiggle.com.au/?q=tips;game=ID>

Step 3:

Show the prediction if team is going to win

IF(tip=userTeam)

print “Your team is predicted to win”

ELSE

Print “Your team is predicted to lose”

**“As a fan, I want to see the results of all games my team has played this season”**

Step 1:

Call all games in 2019

<https://api.squiggle.com.au/?q=games;year=2019>

Step 2:

Filter the games queried into home and away games for userTeam

LOOP through all games

IF(ateam = userTeam || hteam= userTeam)

print list of teams games

**“As a fan, I want to see opponent and games details for the next 5 matches my team will play”**

Step 1:

Call all games round 20 in 2019

<https://api.squiggle.com.au/?q=games;year=2019>;round=20

Step 2:

Filter through the games for userTeam

LOOP through all games

Var round = 20

FOR(i=0; i>5; i++)

Round += i

IF(ateam = userTeam || hteam= userTeam)

Add gameID to array/list

ENDIF

ENDFOR

DISPLAY all matches with gameIDs in Array

**“As a fan, I want to see all the venues where my team has won so far this season”**

Step 1:

Call all games in 2019

<https://api.squiggle.com.au/?q=games;year=2019>

Step 2:

LOOP all games for userTeam

IF(ateam = userTeam || hteam= userTeam)

IF(winner == userTeam)

userWins[gameID]

ENDIF

ENDIF

Step 3:

DISPLAY userWINS[] venues

**[challenging] “As a fan, I want to see the head-to-head games and if available, results between my team and my team’s rival <..> this season”**

Step 1:

Call all games in 2019

<https://api.squiggle.com.au/?q=games;year=2019>

Step 2:

Filter the games queried into home and away games for userTeam and rival team head to head

LOOP through all games

Array[]

IF((ateam = userTeamRival && hteam= userTeamRival) || (hteam = userTeamRival && ateam= userTeamRival))

Add gameID to array

ENDIF

Step 3:

DISPLAY results of array gameIDs contents

**“As a fan, I want to see my team’s rival’s games of the season”**

Step 1:

Call all games in 2019

<https://api.squiggle.com.au/?q=games;year=2019>

Step 2:

Filter the games queried into home and away games for userTeam

LOOP through all games

IF((ateam = userTeamRival || hteam= userTeamRival)

print list of rival teams games

**“As a fan, I want to see my team’s wins up to round (user selection) in this season”**

Step 1:

Call all games in 2019

<https://api.squiggle.com.au/?q=games;year=2019>

Step 2:

Var userRound

Var userWins

LOOP through all rounds up to userRound games for userTeam

IF(ateam = userTeam || hteam= userTeam)

IF(winner == userTeam)

userWins +=1

ENDIF

ENDIF

Step 3:

Display userWins

**“As a fan, I want to see my team’s total 2019 game wins vs rivals total game wins”**

Step 1:

Call all games in 2019

<https://api.squiggle.com.au/?q=games;year=2019>

Step 2:

Var userWins

LOOP through all games for userTeam

IF(ateam = userTeam || hteam= userTeam)

IF(winner == userTeam)

userWins +=1

ENDIF

ENDIF

Step 3:

Var rivalWins

LOOP through all games for rivalTeam

IF(ateam = rivalTeam || hteam= rivalTeam)

IF(winner == rivalTeam)

userWins +=1

ENDIF

ENDIF

Step 4:

Display userWins

Display rivalWins