

Front-End Exercise

General

This is the RACING.COM Front-End coding assessment. You have 1 hour to complete the requirements to the best of your ability. We're interested in getting an insight into your abilities to analyse and resolve tasks under a time constraint. The time you have is insufficient to achieve everything, you therefore need to focus on being able to show visible progress at the end of the 1 hour. Some guidelines will be provided to help you achieve this goal.

Task

Build a horse result listing page generally used on the website. The design is supplied at the end of this document. At the end of the hour, you will be required to demo the result page and explain your approach to realise the full product, you will be required to explain how you would go about completing the full page with all requirements if you have been unable to finish the complete assignment.

Guidelines

- RACING.COM use Agile Software Development, it is expected that developers can prioritize work per importance to show progress throughout development.
- Being part of a small front-end development team you should show sufficient knowledge of CSS and general styling capabilities.
- The RACING.COM website relies heavily on the AngularJS JavaScript framework. You are required to show solid understanding of JavaScript, jQuery and any JavaScript framework you see fit for this assignment.
- You must show knowledge of using icon font / svg icon sets.
- Use JSFiddle to build the solution so it can be easily shared with us after the assignment is done. However, if you are not confident with JSFiddle you can use alternative methods but must provide sufficient steps to get the solution working on our local development environments.

Requirements

1. Build single page race result application based on the provided design.
 - a. **Optional** goal is to make the application responsive.
2. Create a header component that has the race information and the photo finish populated.
 - a. Information about the where the relevant data is in the fields can be found at the end of the document.
 - b. Initially you can choose race 2 from the provided JSON file to populate data.
 - c. **Optional** goal to include some way to easily switch to another race number.
3. Setup the race result table and populate the first 3 places.
 - a. Information about where the relevant data can be found in the JSON file can be found at the end of the document.
 - b. "Horse Name" links to: www.racing.com/horses
 - c. "Trainer Name" links to: www.racing.com/trainers
 - d. "Jockey Name" links to: www.racing.com/jockeys
 - e. "Full Results" links to: www.racing.com
4. When the user clicks on the photo finish in the header the image will open in a light-box
5. Page should load first and populate data asynchronously, while loading the page should provide some indication that it is processing using a loading bar or gif.
6. If the data fails to load, the page should show an error message on screen.

JSON Feed Information

The required JSON feed information can be found here:

"//s3-ap-southeast-2.amazonaws.com/racevic.test-static/fe-test/racing-data-sample-v1.json"

The required Photo Finish Image can be found here:

"https://s3-ap-southeast-2.amazonaws.com/racevic.static/2017-01-01/flemington/photofinishes/race-2.jpg"

Results are ordered by place (*position*) in the raceResultsCollection object.

Win/Place	"Finish Position"	"Horse Name"	"Trainer Name"	Margin	SP	VIC
1st	10. Flying Light (4)	T: D. Hayes & T. Dabernig J: R. Bayliss	2:03:07	\$3.30	\$3.40	
2nd	8. Master Zephyr (GB) (10)	T: D. K. Allen J: B. Allen	0.75L	\$3.60	\$1.60	
3rd	7. Kourkam (FR) (1)	T: A. J. McEvoy J: K. McEvoy	2L	\$7.50	\$2.00	

Field Name	Feed Location
Race Number	Feed.Races.raceCollection.raceNumber
Track Name	Feed.Races.meet.trackName
Race Date	Feed.Races.raceCollection.Date
Race Name	Feed.Races.raceCollection.name
Race Time	Feed.Races.raceCollection.Date
Track Condition Rating	Value can be hardcoded in solution. This data is not available in provided feed.
Finish Position	Feed.Races.raceCollection.raceResultsCollection.position
Horse Name	Feed.Races.raceCollection.raceResultsCollection.horse.fullName
Trainer Name	Feed.Races.raceCollection.raceResultsCollection.trainer.shortName
Barrier Number	Feed.Races.raceCollection.raceResultsCollection.barrierNumber
Jockey Name	Feed.Races.raceCollection.raceResultsCollection.jockey.shortName
Race Entry Number	Feed.Races.raceCollection.raceResultsCollection.raceEntryNumber
Silk	Feed.Races.raceCollection.raceResultsCollection.horse.silkUrl
Margin	Margin for 1st place = Feed.Races.raceCollection.raceResultsCollection.winningTime Margin for 2nd & 3rd = Feed.Races.raceCollection.raceResultsCollection.Margin
SP	Feed.Races.raceCollection.raceResultsCollection.odds.priceStart
VIC	you will need to display returnWin and returnPlace for 1st, and only returnPlace for 2nd and 3rd data can be found at Feed.Races.raceCollection.raceResultsCollection.odds.parimutuel

Design

2

Flemington | 1 Jan 2017
2:10pm 2000m Straight Draw Handicap

Track condition
Good 3

Win/Place		Margin	SP	VIC
1st	10. Flying Light (4) T: D.Hayes & T.Dabernig J: R.Bayliss	2:03:07	\$3.30	\$3.40 \$1.40
2nd	8. Master Zephyr (GB) (10) T: D.K.Weir J: B.Allen	0.75L	\$3.60	– \$1.60
3rd	7. Kourkam (FR) (1) T: A.J.McEvoy J: K.McEvoy	2L	\$7.50	– \$2.00

Full Results ➔