



RECAST.AI

Join Recast.AI

Tests for Front-End
Developers

28/02/2018

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Guidelines

Please read the guidelines hereafter before walking through the different exercices:

- The aim of those exercises is to evaluate:
 - your ability to tackle programmatic problems
 - the quality of your code.

NB: the code you will be shipping shall be production-ready. It means that you shall do / add anything you consider to be relevant for a code running in production

- There is no unique good answer: be innovative and feel free to propose your own solution
- Try to be as quick as possible in proposing your answers and pieces of code. You shall not spend lot of hours on this.
- Don't hesitate to contact us if you have any questions regarding the exercices:
baptiste@recast.ai

Algorithmic test

Problem statement

Let's imagine a binary tree that contains integers. We want to write a method that traverses the tree and returns the maximum value found.

What we expect from you

- Implement an algorithm written in NodeJS that solves the problem
- Implement simple unit tests for your program

Tips

2 files shall be enough 😊

Build a WebBot

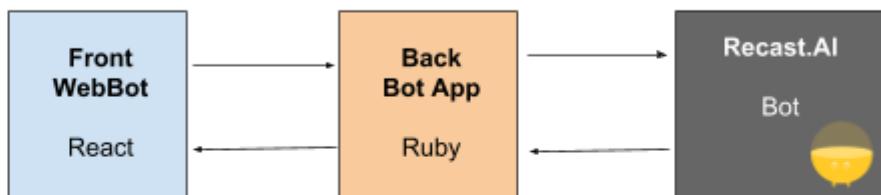
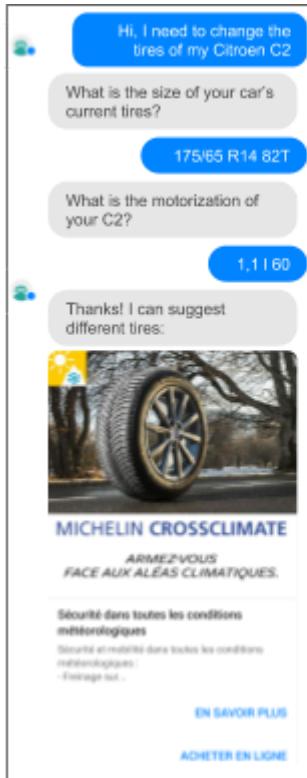
Objective

The aim of this exercise is to create a webchat a user can use to discuss with a chatbot. The bot should be built using the Recast.AI platform. It doesn't have to be a complex bot, but try to have a conversation flow not just limited to one exchange.

Architecture overview

The drawing hereafter describes the architecture of the WebBot you have to implement. You will have to develop two main components:

- Front developed with React.js. This is the UI component that will implement your User Experience. Your Front will have to interface with your Bot Application that implements the Bot logic
- Back Application preferably developed in Ruby (If you don't know Ruby, please use NodeJS or Python). Your application shall implement the Bot logic using the corresponding language SDK and interfacing with Recast.AI /dialog API endpoint.



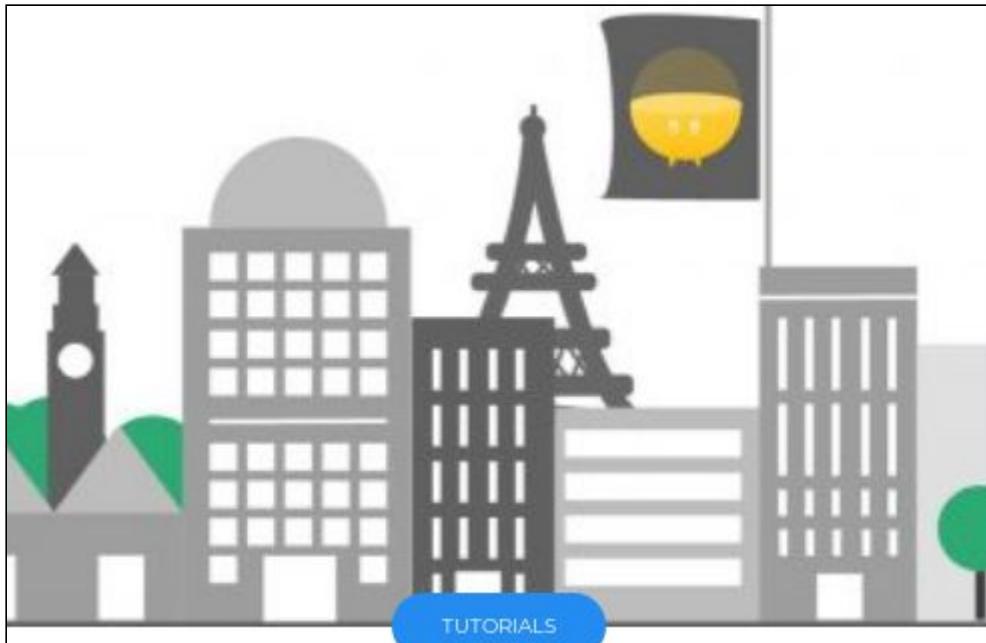
Specifications

- use the /dialog endpoint of the Recast.AI platform: <https://recast.ai/docs/api-reference/>
- no constraints on what you use for styling (css, sass, styled-components,...)
- if the user refresh the page, the conversation is still present
- the webchat should support at least two different message format: text and picture

Tips

Tutorial

Build your First Bot with Recast.AI: <https://recast.ai/blog/build-your-first-bot-with-recast-ai/>



TUTORIALS

Build your first bot with Recast.AI

When you're a beginner bot builder, learning about natural language understanding, conversation flows and messaging platforms can feel a bit overwhelming. In this guide, I'm going to help you build your first bot...

5 4 MONTHS AGO

Documentation

- Ruby Recast.AI SDK: <https://github.com/RecastAI/SDK-ruby>
- Recast.AI man page: <https://recast.ai/docs/api-reference/?ruby#dialog-endpoints>

Good Luck!