# **Innovid CSE: Home Task**

Thank you for taking the time to do our technical test.

#### This test includes

- 1. Technical task
- 2. Follow-up questions

### **General instructions**

- Once you receive the email, please confirm receipt so we know everything is ok and you are able to start working
- This test should take approximately 2.5 3 hours, please return the test to us within 48 hours
- Once you completed the test, you can either compress your files to a single zip file named {fullname}-{date}.zip or send a link to a private git repository
- The zip file/git repo should also include a txt or markdown file with answers to the follow-up questions
- Please send the compressed zip file via email to yaron@innovid.com
- Please avoid pushing the code to a public repo

#### Guidelines

- We are strict with security and don't like sharing API keys with client-side calls
- This task is focused on a backend service. Though a front-end design is attached at the end of this doc, The focus is not on the UI, but rather on your backend API

#### Task

- In this task, you will need to develop an *express* based API HTTP end-point that returns weather information to a client-side webpage.
- Use the following weather API for the weather forecast: https://www.weatherbit.io/api
- Your end-point should accept 2 parameters:
  - o city (string): will be the location passed to the weather api
  - forecastdays(int) : possible values:
    - 1 will return weather only for today
    - 2 will return weather for today and tomorrow
    - 3 will return weather for today's and the 2 following days.
- The UI should include the following flow:
  - A User selects a city from a dropdown list of 4 cities: "minneapolis", "Jackson", "kansas", "New York".
  - A user selects from a dropdown list the number of days they want to view the weather for. (missing in the attached design, please add it freely)
  - Page 1 disappears and page 2 appears with a forecast for the selected location, and the number of forecast days.

## **Bonus UI feature:**

- The user selects the 'other' option from the dropdown
- A text box appears under the dropdown, the user types in an unsupported city name (e.g. "qwertyuio")
- o An error message will appear

## Follow up questions

- 1. Did you face any challenge with the test? If so, what is the biggest challenge you faced?
- 2. How long did it take you to complete the assignment?
- 3. If you had more time, what would you add to your code?
- 4. How would you test your code? Describe a few tests you would write for this task.

Please feel free to contact <a href="mailto:yaron@innovid.com">yaron@innovid.com</a> if you have any questions.

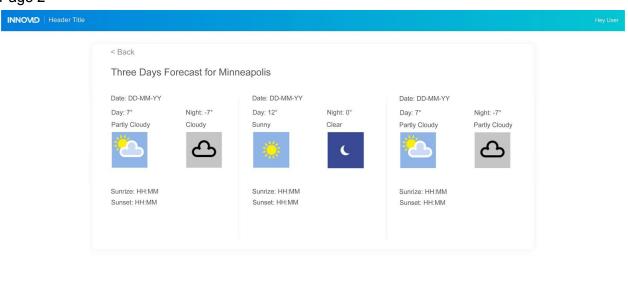
Good luck!

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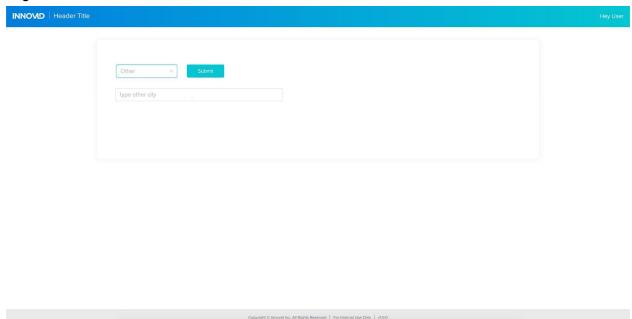
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## **Bonus feature**

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