

Coding task – Frontend

DESCRIPTION

Development of simple merchandising catalog - the products and their details.

GLOBAL MANDATORY REQUIREMENTS

1. Solution should be developed using the local copy of GIT repository. Single commit at once to local repository **is NOT** accepted, there should be multiple commits done to see the history of development.

LOCAL GIT (<https://git-scm.com/docs/git-init>)

\$ git init .

2. Please remove *node_modules* folder before packaging into archive, we don't need your installed packages, please don't send us your *node_modules*.

3. ZIP: The folder with solution should be packaged as .zip (together with .git folder) and provided back to us, **NO .rar** or other archive formats allowed.

4. **NO pushes to www.github.com NOR www.bitbucket.com NOR www.gitlab.com allowed due to the privacy restrictions and confidentiality.**

DEADLINE

Task should be developed **and provided back to us within 10 hours**. If it's not provided back to us within that time, the candidate is unfortunately cannot be considered anymore.

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PROJECT REQUIREMENTS

1. Solution should be developed using the latest version of Angular. If you don't know Angular you can use React, if you don't know React, you can use Vue.js, or any other JS Progressive Framework.

Products .csv can be downloaded from

https://drive.google.com/file/d/1_hoN1fbjnffxYn9K7DsBFhZvxmTFRSLQ/view.

2. You should implement the solution as best as you can.

Backend

This solution requires backend, if you are familiar with any type of the backend technologies, you can create very simple backend implementation in any technology like Node.js, or PHP, etc.

This implementation will be a big advantage for your evaluation.

If you are not familiar with anything of that to create this, feel free to keep your data in json files locally and use them in your local front application.

Keep your data in any database, for example in MySQL or files as worst case.

The preferable option is to see the backend implemented in Node.js (you can google)

3. Create the following REST APIs to expose the following functionality

3a Endpoint: Login user by email and password. If user has email address on @mail.ch, it should be verified and user should get NO access to login, even if user exists in database and provided password is correct.

3b. Logout

3c. Get list of products

3d. Get information about particular product by its ID.

3e. Multiple users should be uploaded into database automatically (we don't want to create them manually).

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Frontend

Links to screenshots

Login: <https://drive.google.com/file/d/1kIPxs3fygbur2yQJ7YoXhun1iUNw7XpP/view>

Products: https://drive.google.com/file/d/1irlYIb0F4mF9OycCoi6vx_ePa4XvQ88N/view

Hover: https://drive.google.com/file/d/1gQ_dGsb-0tycv2qiRGGNHGuub7FYiYdi/view

Product Details: https://drive.google.com/file/d/1lCNxGmO2o_pIHmcX8QbI7qdB-YOf8Fm1/view

5. As a frontend engineer you should be expert to develop the amazing look & feel and style it. All the front visual pages should be fully and correctly styled as on the screenshots provided above through the links..

6. Login, If user opens the application (any page) and user is not logged in, it should be redirected to login page to sign into application. You should authenticate your users against your REST API which should be implemented in scope of requirements above.

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ЛОГОТИП Войти в аккаунт

Логин

Введите Email

Пароль

Введите пароль

Войти

7. Logout, If user clicks on logout, it should be redirected to login again.

8. Products page, you should display all the products on this page loaded through REST API, by pages no more than 25 products per page. If there are more products you need to have an ability to navigate between pages. For every product item we should display image, title, category, price.

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Логотип










Продукция

Выйти из аккаунта

Наша продукция

 <p>Роутер 4G180</p> <p>952.17 грн</p>	 <p>Роутер 4G680</p> <p>1252.17 грн</p>	 <p>Роутер ACB-AC</p> <p>1282.61 грн</p>
 <p>Роутер ACB-ISP</p> <p>478.26 грн</p>	 <p>Роутер AF-11FX</p> <p>10691.3 грн</p>	 <p>Роутер AF-11FXDUPL</p> <p>3300 грн</p>
 <p>Спутниковая тарелка AF-11G35</p> <p>6652.17 грн</p>	 <p>Спутниковая тарелка AF-5XHD</p> <p>6865.22 грн</p>	 <p>Роутер AFI-INSK</p> <p>3126.09 грн</p>

9. Effect on hovering the product should also be implemented.

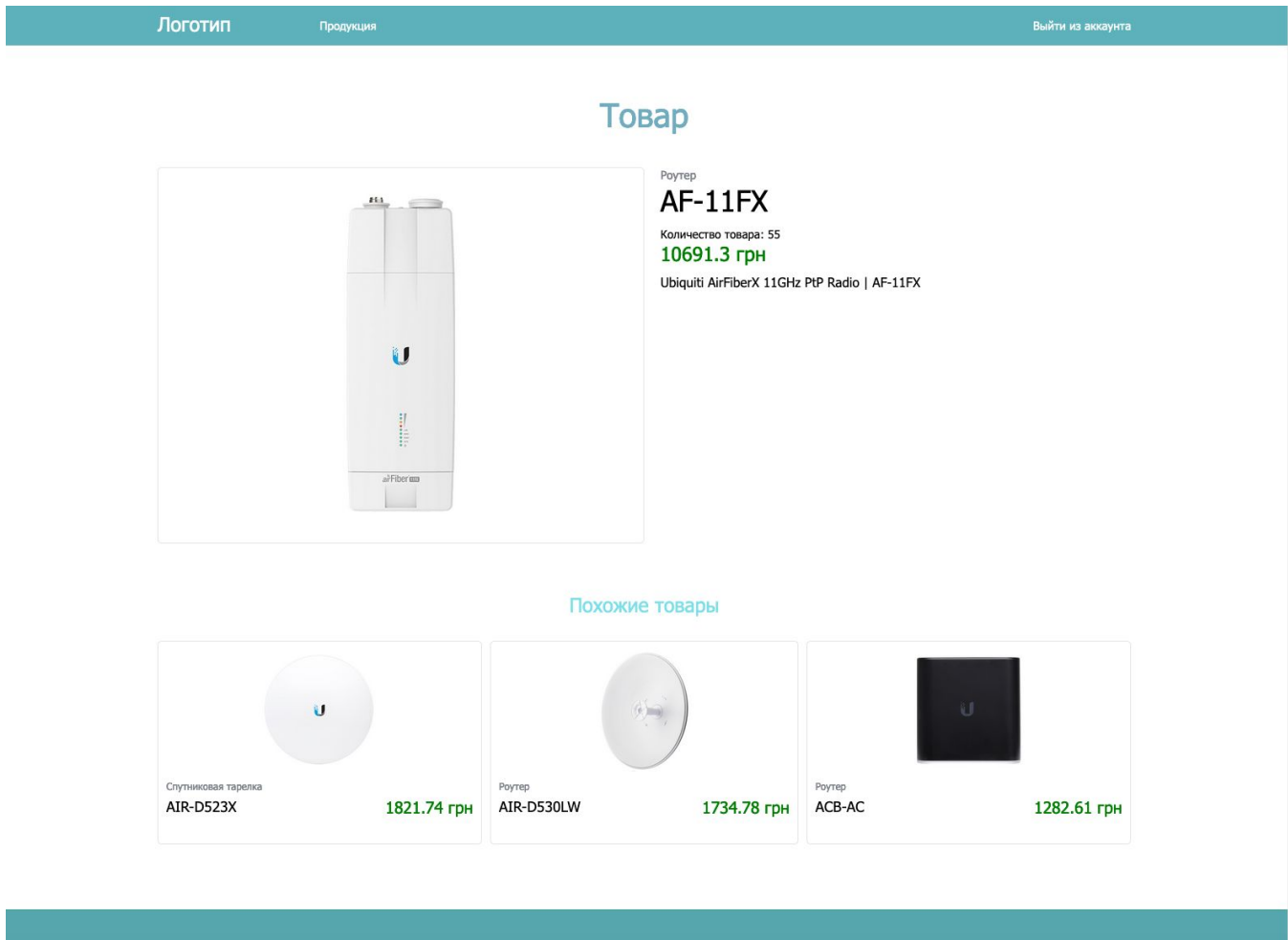
 <p>Роутер 4G180</p> <p>952.17 грн</p>	 <p>Роутер 4G680</p> <p>1252.17 грн</p>	 <p>Роутер ACB-AC</p> <p>1282.61 грн</p>
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10. Product details page should also be implemented if we click on any product to get more details.

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- 11. Related products section should also be displayed on product details page.
- 12. Testing
 - a. The code developed in JS should be tested using unit tests with coverage $\geq 30\%$.

QUESTIONS & ANSWERS

Q: Can candidate ask questions?

A: Yes, candidate can ask questions at any time and we certainly help him with answers.

Q: What is evaluated?

A: We evaluate the completeness of task, technologies, libraries, design patterns used, and coding style.

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