# .NET/Xamarin interview questions

| You are supposed to build a Xamarin mobile app. It can either be an Android or iOS app.  You will implement a simple catalog that demonstrates your understanding of querying from a RESTful API, building a simple list view, as well as storing data in a local database.  Here is an example of a catalog view (see screenshot). |  |
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Please attempt the following questions in order.

1. Build a catalog view similar to the above screenshot. The design can be improved for better UI/UX. The products can be mock data to begin with. Note: You don’t have to implement the “add to cart” button.
2. Once you have a working catalog view, get the products data from a live endpoint. The endpoint is documented in the following page.
3. The catalog should be able to work offline. I.e. when there is no internet connection, the catalog should still display the products previously loaded.
4. [Bonus] Implement a simple cart view, supporting the “add to cart” button of the catalog view.

Answer these questions to the best of your knowledge. Be intentional about your design decisions, naming conventions, code structure etc., and be ready to defend your choices.

Once done, you are required to record a video of the working app, and submit the video together with your source code (or a link to your repo) via email to [tkkhoo@boostorder.com](mailto:tkkhoo@boostorder.com), [tkchuah@boostorder.com](mailto:tkchuah@boostorder.com) and [ghosia@instanture.com](mailto:ghosia@instanture.com).

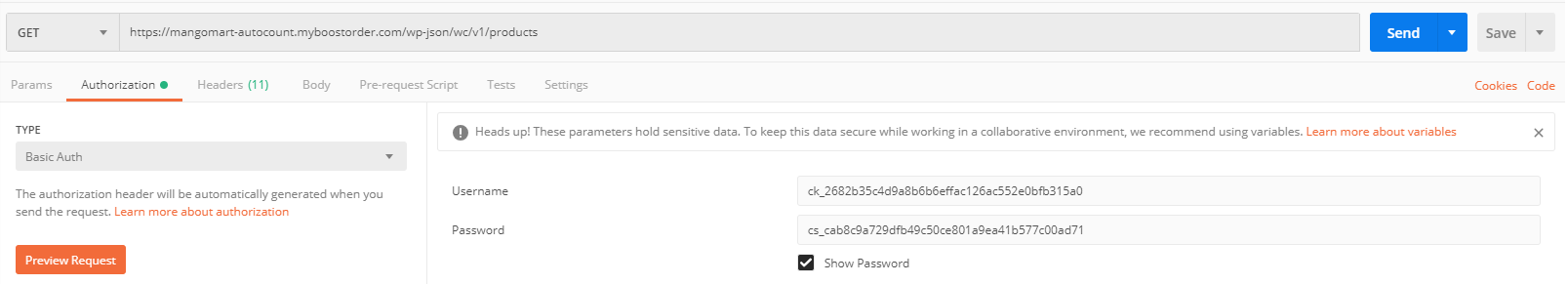
And most importantly, have fun! 😊

# API

## Authorisation

Use Basic Auth when calling our endpoints.

Username: ck\_2682b35c4d9a8b6b6effac126ac552e0bfb315a0  
Password: cs\_cab8c9a729dfb49c50ce801a9ea41b577c00ad71



## Products

This is the products endpoint:

GET <https://mangomart-autocount.myboostorder.com/wp-json/wc/v1/products>

The response payload is self-explanatory.

The endpoint implements pagination, i.e. the products are returned in pages.

1. When calling the endpoint, use the page parameter to loop through the pages.
2. X-WP-Total in the response header tells you the total number of products.
3. X-WP-TotalPages in the response header tells you the total number of pages.

