



## X-Plora Android Challenge

### X-Plora development team

We are happy and thankful you agreed to this challenge and know you are eager to show us your skills. In the results, we will evaluate from the ability to implement graphics layouts to the way you resolve the login in the tasks.

There will be 2 main tasks and one bonus to be resolved with whatever tools of your choice.

### Submission

If not stated otherwise you'll have 72 hours to submit this challenge. Completeness is desirable but not mandatory. - Fork this repository <https://github.com/Xplora/android-challenge> - Make a commit for each task completed - Make a pull request for the final submission

### Assets

Find all the needed assets in the assets folder. Should you not find a suitable format for your workflow please indicate so and avoid investing time in formatting it yourself.

### Tasks

Each task will be represented by a Screen layout with some actions associated with them. You will be connecting to one of our api's. You will implement one of our bread and butter, login to our backend, and retrieve a list of modules. The bonus task is to implement the Module view.


### Login tasks

This first task is a simple login screen that will authenticate with our demo server. Follow this image to implement the layout:

Take the following endpoint:

`http://demo.goxplora.com/api/login`

Via POST request send the next variables:



Login

Email

Password

Forgot my password

Done

Figure 1: Login view

```
email=demos@goxplora.com
password=demo1234
```

This endpoint responds to a successful request like this:

```
{
  "code": 0,
  "data": {
    "user": {
      "id": 9,
      "name": "Demo 21",
      "email": "demo@goxplora.com",
      "avatar": "uploads/avatars/9_avatar1614262805.jpg",
      "api_token": "Wndinb4ouezGHjw35mkzEAiGIwCrUfJlKkx1WSUG",
      ...
    }
  },
  "errors": null
}
```

Save the `api_token` in available for the next tasks

### Module list

Once you got the `api_token` from the server, use it in order to retrieve a list of modules from it.

The endpoint:

`http://demo.goxplora.com/api/modules`

Send `api_token=value_from_server` as a post variable. Expect the response to have at least this structure:

```
{
  "code": 0,
  "data": {
    "modules": [
      ...,
      {
        "id": 3,
        "title": {
          "en": "...",
          "fr": "...",
          "de": "...",
          "pt": "...",
          "es": "..."
        },
        "images": {
          "en": [
```

```

        {
            "url": "...",
            "url_thumb": "..."
        }
    ],
    "fr": [
        {
            "url": "...",
            "url_thumb": "..."
        }
    ],
    "de": [
        {
            "url": "...",
            "url_thumb": "..."
        }
    ],
    "pt": [
        {
            "url": "...",
            "url_thumb": "..."
        }
    ],
    "es": [
        {
            "url": "...",
            "url_thumb": "..."
        }
    ]
},
"content": {
    "en": "...",
    "fr": "...",
    "pt": "...",
    "es": "...",
    "de": "..."
},
...
]
}
}

```

Use the `data.modules` structure to fill a list following the next layout as close as possible:

Notes: - Use the language key of your choice. - Use the first image from

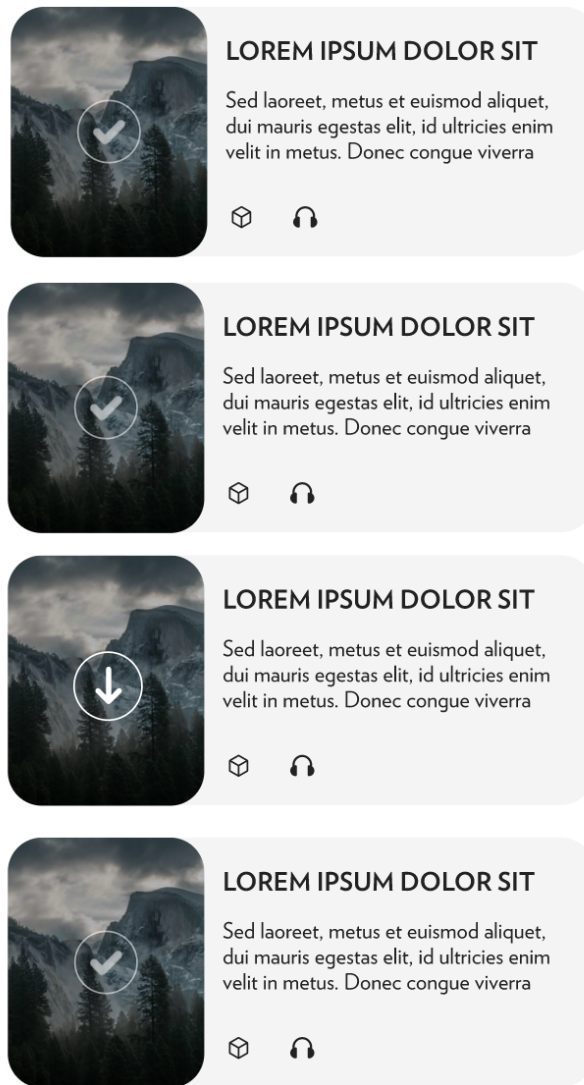


Figure 2: List View

`data.modules.images` for the list item. - Image, text, content and round corners are expected. - Icons are extras for this task.

### **Module View**

This task includes adding interaction to the previous list to select an item and show its content in another layout. The layout includes a back button that must return to the previous list screen.

Follow this image to implement the layout:



## Etiam vestibulum nibh at ex

Sed laoreet, metus et euismod aliquet, dui  
mauris egestas elit, id ultricies enim velit in  
metus. Donec congue viverra imperdiet.

Etiam vestibulum nibh at ex elementum,  
nec maximus leo maximus. Donec lacus  
nulla, vestibulum in lectus ac, ultrices mollis  
sapien.

Lorem ipsum dolor sit amet, consectetur  
adipiscing elit. Nullam ac sapien id lacus  
molestie viverra.