

# Instabug Android Challenge



## Requirements

You are asked to make an Android application to display the list of the words and how many times they are repeated on the Instabug website.

## Details

- The app should do a request to <https://instabug.com>
- You should show a loading spinner to the user while the request is being done
- You should fetch the response and parse the HTML response and show a list of each word and how many times they were repeated
- A word should be any character with a space before/after it.
- In the case of offline, the app should show the last parsed words.
- Error/Empty states should be handled.
- The search button should search the loaded list for matching words
- Sort icon should toggle between ascending and descending

## Wireframe

Android Challenge			
Instabug	20		
SDK	32		
APM	22		
Bugs	1		
Crashes	34		
Performance	22		
Sessions	9		
Analytics	3		

## Important Notes

- We are SDK 🦋 **Don't use** any 3rd party libraries for networking, threading, database, etc
  - Room/coroutines are considered 3rd party so please don't use them.
- Separate Network/database logic to separate modules
- Handle Device rotation
- We love **testing** and we hope you do too, so try to cover your code with **Unit/UI tests**.
- Skip special characters like < / , ., etc
- Using **git** is a MUST we would like to know how you organize your work and maintain the code history.

## Evaluation

We have several areas for evaluating your tasks, each is very important, and scoring low in one can cause disqualification, **in no particular order**:

- Completeness
- Testing
- Correctness
- Code Design

## Submission

- Task should be done within 3 days max.
- You should .zip and reply to the email with the zipped file attached or on a **Private** GitHub/GitLab repo inviting **mzelzoghbi**