



**Dear Candidate,**

This assignment is part of the technical interview to assess your knowledge by observing the code quality, completion of the project on time. Please reach back to us in case you have any doubts about the question.

## GetIcons

GetIcons is an unofficial IconFinder app that contains different icons from different publishers around the globe.

### Specs for GetIcons

- Create a screen with two tabs.
  - Display the list of all public icon-sets. Each item of the list should show the name, type, price, author's name, license name, and a badge to show if it is a free or premium icon-set. The list should support pagination and should fetch 20 icon-sets on every page when a user scrolls the list.
  - The second tab displays a list of all icons along with an option to search for icons(Using API). Each item of the list should show the preview of the icon, type, price, author's name, and a badge to show if it is a free or premium icon. The list should support pagination and should fetch 20 icons on every page when a user scrolls the list.
- Clicking on items inside tabs
  - Tab 1
    - When a user clicks on any of the icon-set, Show the details of the icon-set on a new screen. The details should contain the name, type, author details, license, website(Clickable), readme, and a list of all icons of that icon set. If the details are not available you can show 'N/A'.
  - Tab 2
    - When a user clicks on any of the icons, Show the details of the icon on a new screen. The details should contain the name, type, author details, license, website(Clickable), readme along with a download button to download the icon(if free). If the details are not available you can show 'N/A'.

- Clicking on items inside the Icon-Set Details screen
  - **Icon**
    - When a user clicks on any of the icons, Show the details of the icon on a new screen. The details should contain the name, type, author details, license, website(Clickable), readme along with a download button to download the icon(if free). If the details are not available you can show 'N/A'.
  - **Author Details**
    - Upon clicking on the author's name there should be a new screen with a list of all the icon sets of that author with each item containing details like name, type, price, and a badge to show if it is a free or premium icon.
- Clicking on items inside the Icon Details screen
  - **Author Details**
    - Upon clicking on the author's name, there should be a new screen with a list of all the icon sets of that author with each item containing details like name, type, price, and a badge to show if it is a free or premium icon.
  - **Download**
    - Upon clicking the download button the icon should be saved to the local storage.
- Clicking on items inside the Author Details screen
  - **Icon-Set**
    - When a user clicks on any of the icon-set, Show the details of the icon-set on a new screen. The details should contain the name, type, author details, license, website(Clickable), readme, and a list of all icons of that icon set. If the details are not available you can show 'N/A'.

Most of the screens are reusable from UI to logic everything. You can call the same screens wherever required.

### **API:**

All of the required information for building this app is available in the API provided by Iconfinder.com. You can get more information at <https://developer.iconfinder.com/reference>.

### **APP UI:**

You can create a UI of your choice. The UI needs to be simpler and easy to use.

### **Submission:**

Write a detailed README file detailing the features, decisions, and assumptions made while developing the app. Commit the code to your [Github.com](https://github.com) repository and share with us the repository link.

### Judging Criteria:

- Clean and readable code
- Following best practices and design patterns
- Completion of the task
- Test cases carry bonus points

### Frequently Asked Questions:

**Q:** Can I develop in Java or Kotlin?

**A:** You can use any language amongst Java and Kotlin, that you are comfortable with.

**Q:** Should I need to build complex UIs?

**A:** Build a good UI for the app that looks good. It need not be complex but should be functional and performant. Spend more time working on the design and architecture of the application.

**Q:** Should I need to write tests?

**A:** Writing tests are not mandatory, but it's good to have and showcases a strong finish. They definitely carry an additional weightage on the overall evaluation.

**Q:** What do I need to start using the iconfinder api?

**A:** You will need an API Key which can be created from iconfinder.com website. More information is available at <https://developer.iconfinder.com/reference>

### Indicative App UI

Please note that this is just an **indicative UI** just to facilitate on how the app could potentially look like. You are free to make your own design decisions based on your understanding of the problem statement

Home

Icon SetsIcons

Name

Type

Free

Price

Author's name

License name

Name

Type

Free

Price

Author's name

License name

Name

Type

Free

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Author's name

License name

Name

Type

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Author's name

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Readme

Lorem Ipsum is simply dummy text of the printing and typesetting industry. Lorem Ipsum has been the industry's standard dummy text ever since the 1500s, when an unknown printer took a galley of type and scrambled it to make a type specimen book. It has survived not only five centuries, but also the leap into electronic typesetting, remaining essentially unchanged. It was popularised in the 1960s with the release of Letraset sheets containing Lorem Ipsum passages, and more recently with desktop publishing software like Aldus PageMaker including versions of Lorem Ipsum.

Icon

Name

Type

Free

Price

Author's name

License name

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Readme

Lorem Ipsum is simply dummy text of the printing and typesetting industry. Lorem Ipsum has been the industry's standard dummy text ever since the 1500s, when an unknown printer took a galley of type and scrambled it to make a type specimen book. It has survived not only five centuries, but also the leap into electronic typesetting, remaining essentially unchanged. It was popularised in the 1960s with the release of Letraset sheets containing Lorem Ipsum passages, and more recently with desktop publishing software like Aldus PageMaker including versions of Lorem Ipsum.