**Application Developer - Gamezop:**

Through the course of this task, we are looking to understand the following about you:

* Your understanding and comfort with the React ecosystem, knowledge of best practices and performance optimization methods
* Your understanding and use of React Native
* Code organization and documentation (just comments for now!)
* Your comfort with TypeScript
* Basics of JSX

**All work you submit must be original.**

It’s important you understand the task thoroughly before you begin working on it. Feel free to reach out to y@gamezop.com for any doubts.

**Task description:**

You will be creating a Todo List Application using React Native and TypeScript:

1. For storing data you must use on-device storage. The data should persist even after closing the app.
2. On opening the app if you do not find a user logged in, show him a welcome page that accepts a username and a profile picture.
3. After creating a profile the user should be shown a screen with a tabbed navigation that should contain two sections namely “Todo” and “Completed Tasks”.
4. The “Todo” screen should contain the list of all the tasks that the user has set and are not completed.
5. A “Floating action button” should be present on the bottom right of the “Todo” screen from where the user can create tasks.
6. On clicking the create task button the user will be shown a popup screen where he can create tasks.
7. A task can be created, read, updated and deleted.
8. A task should have a “title”, “description” and can have an “end time” and an “image”.
9. If a task has an end time then it should automatically be marked as completed and move to the “Completed Tasks” section at the end of the stated end time.
10. Image for a task can be attached to it using the camera API or direct from the gallery.
11. Task list can be viewed in two ways. Add a button on each section to enable the user to view the task list in either a list format or swipe-able stacked cards.
12. In the list view, a user can view the task title in the list with a checkbox on the right. Tapping on the checkbox should mark the task as completed.
13. In the swipeable stacked cards format, the user will be shown a default image on the card if no image is attached to the task and the task title will be present at the bottom of the image.
14. On swiping to top and bottom the user should navigate between cards. On swiping left the task should be deleted and on swiping right the task should be marked as completed.
15. Add a button in the floating action button from where the user can go to his profile screen to see his username and profile picture. Also, add a logout button in the profile section clicking on which should get the user logged out.

Please remember to make relevant commits as your progress through this. This is very important. It should take you between **10-12 hours** to finish the functionality along with basic styling. You don’t have to make the prettiest app, but please ensure it’s not ugly either.

You will be marked on the following parameters:

1. Code quality
2. Code reusability
3. State management usage
4. Ability to animate components efficiently
5. Project structure

Once you are done, upload this to your GitHub profile and send us a link with the final APK. Once again, feel free to reach out in case you have any doubts before you start development. Good luck!