



Sous Chef

DESIGN AND IMPLEMENTATION OF MOBILE APPLICATIONS

Academic year: 2023/2024
Prof. Luciano Baresi

Developed by: Christian Lisi and Alzbeta Fekiacova

CONTENT OF THE PRESENTATION



01.

WHY SOUS CHEF

Presentation of the motivations that prompted us to develop this application.

02.

TECHNOLOGIES USED

Presentations of the tools and technologies that were used during app implementation.

03.

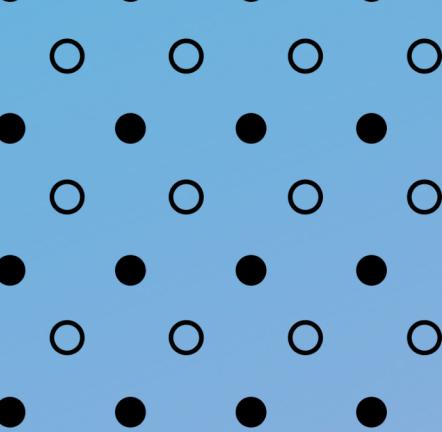
APP FUNCTIONS

Presentation of what is the application capable of.

04.

TEST CAMPAIGN & LIVE DEMO

Providing a short summary of our test campaign following by a live demo of the app



WHY SOUS CHEF?



EASY TO USE

Intuitive and comprehensive screens



WORK ANYTIME

Notifications about ingredients that should be used up



COOKING EASIER

Inspirational recipes with steps easy to follow



PERFECT FOR YOU

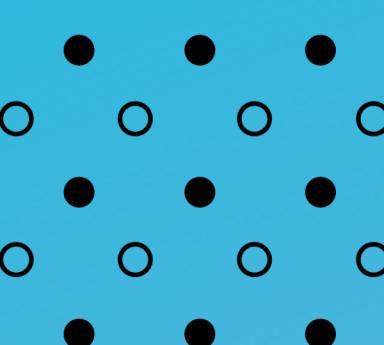
Perfect for people with dietary restrictions

AVAILABLE FOR TABLET & SMARTPHONE

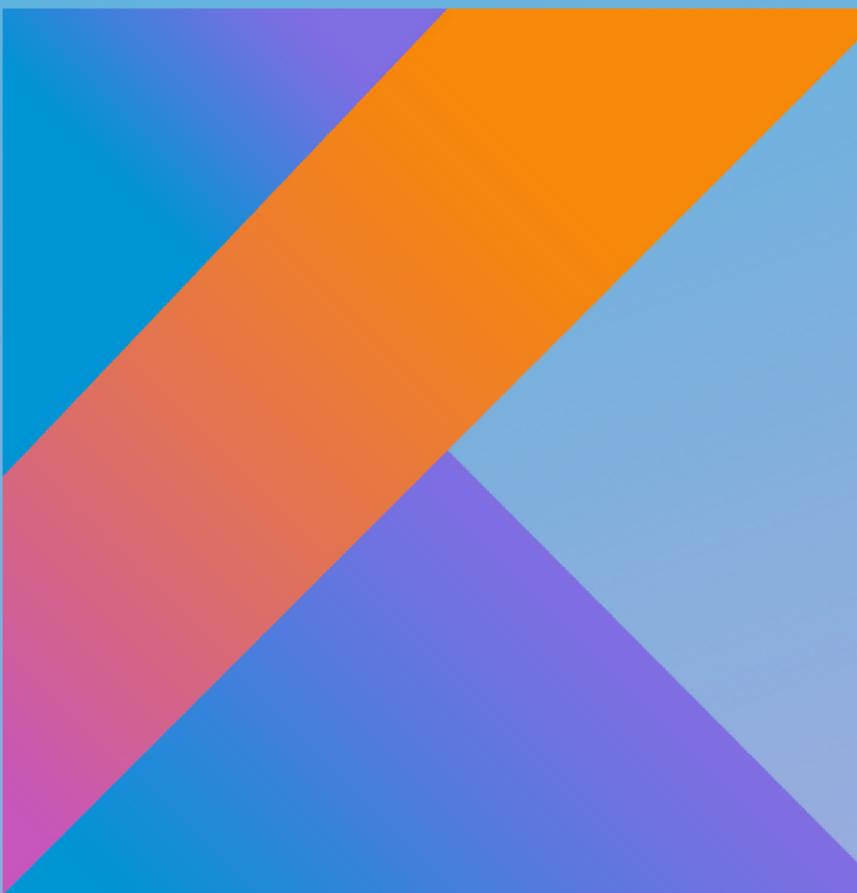


- Two different layouts when needed. So the app can exploit the full size of the devices
- Utilizing BoxWithConstraints compose component for dynamic layout switch



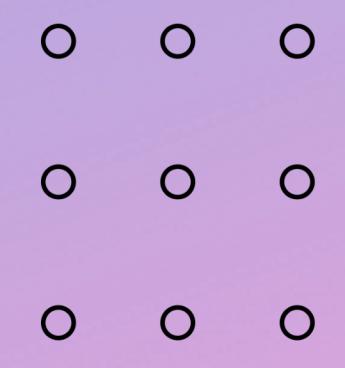


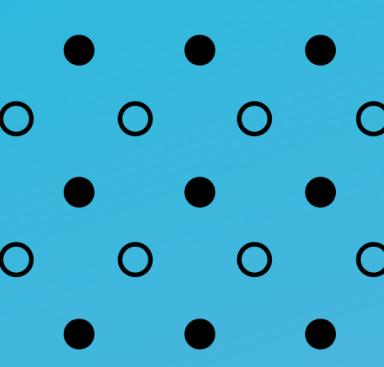
TECHNOLOGY USED



NATIVE ANDROID DEVELOPMENT

Target to develop applications solely for
Android devices.

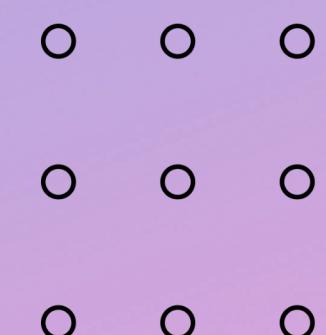




TECHNOLOGY USED



Cloud
Firestore



TECHNOLOGY USED



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VARIETY OF DATA

Rich database of recipes



DIETARY RESTRICTIONS

Availability to filter according to dietary restrictions



INGREDIENTS DATABASE

Ingredients with images



LIMITATIONS

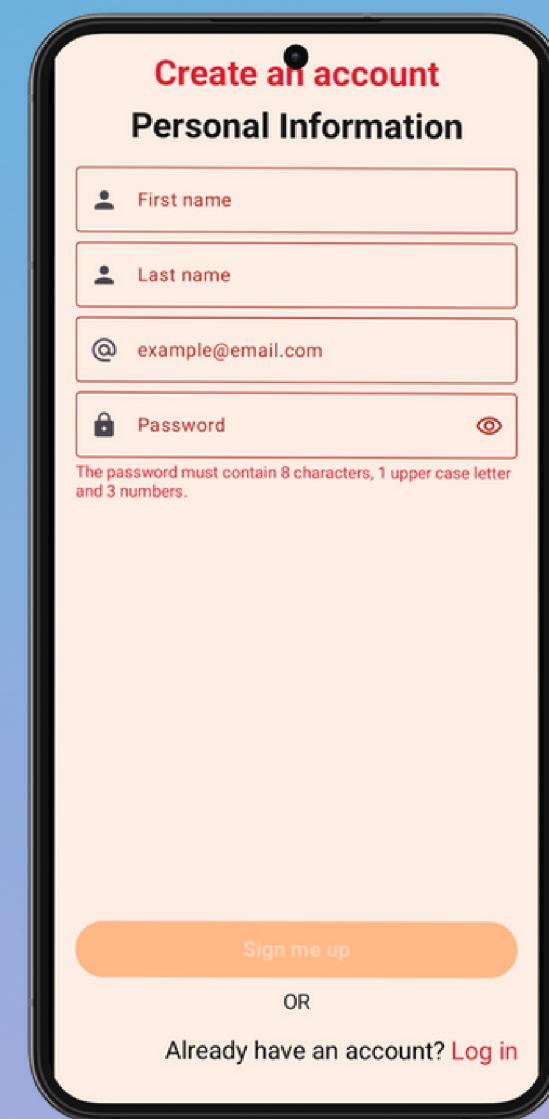
Number of calls is limited with free account

REGISTRATION PROCESS

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- **STEP ONE**

Fill in personal data



- **STEP TWO**

Fill in allergy data



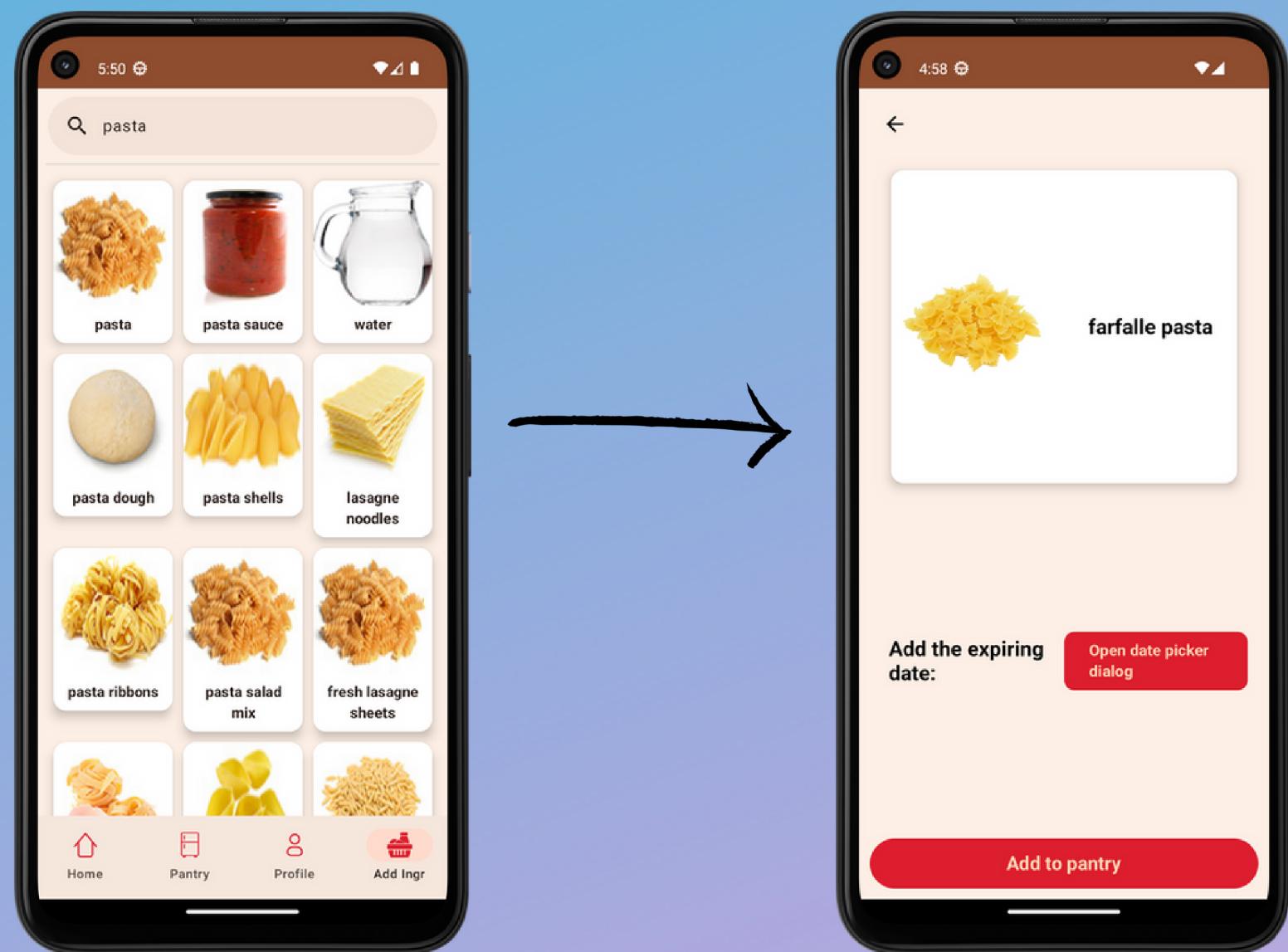
- **STEP THREE**

Fill in diet data

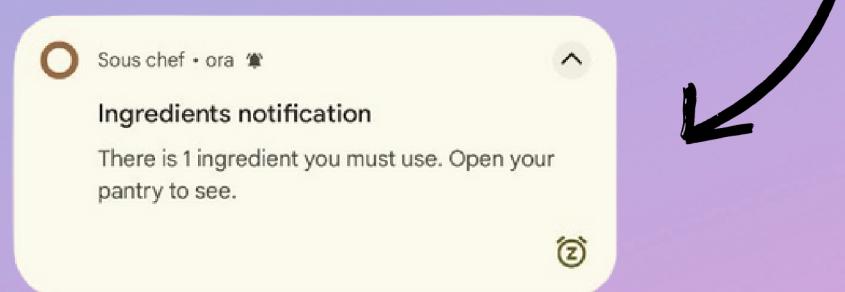


ADDING INGREDIENT TO PANTRY

- The user can search the ingredient and add it in his pantry from this screen

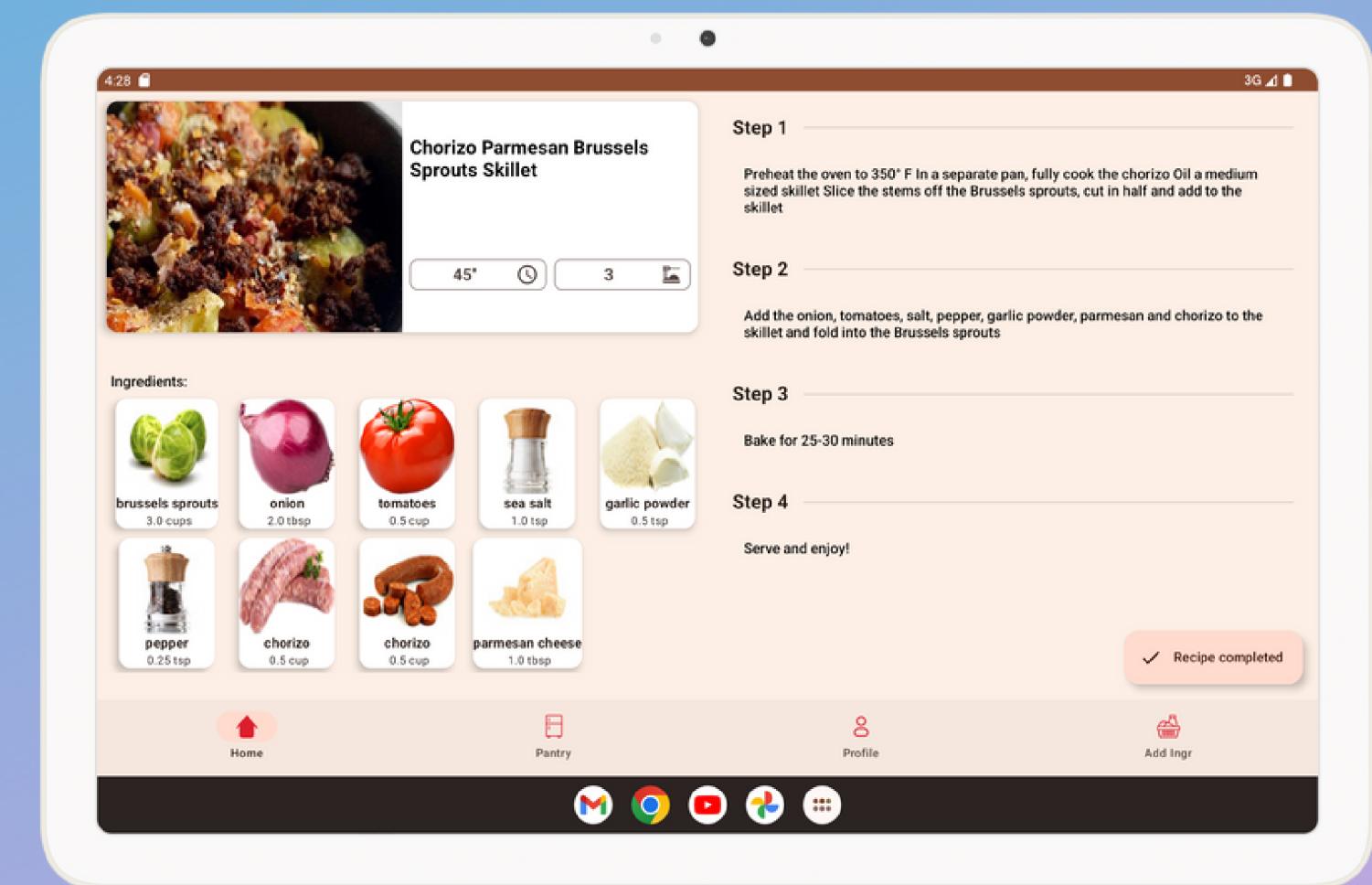
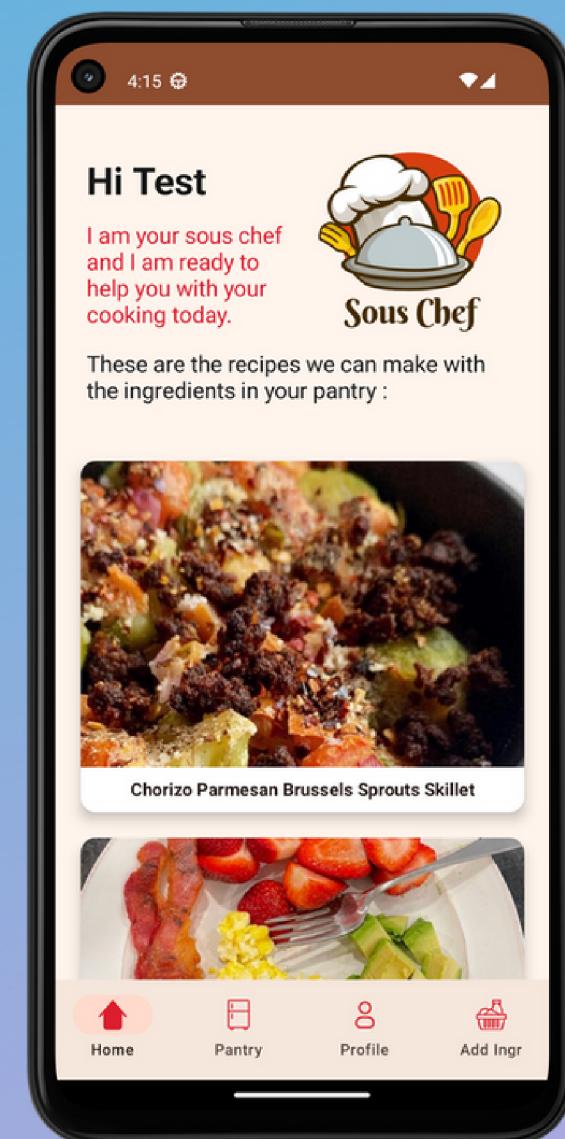


- The app will inform the user when an ingredient is closed to its due date, if it has been provided.



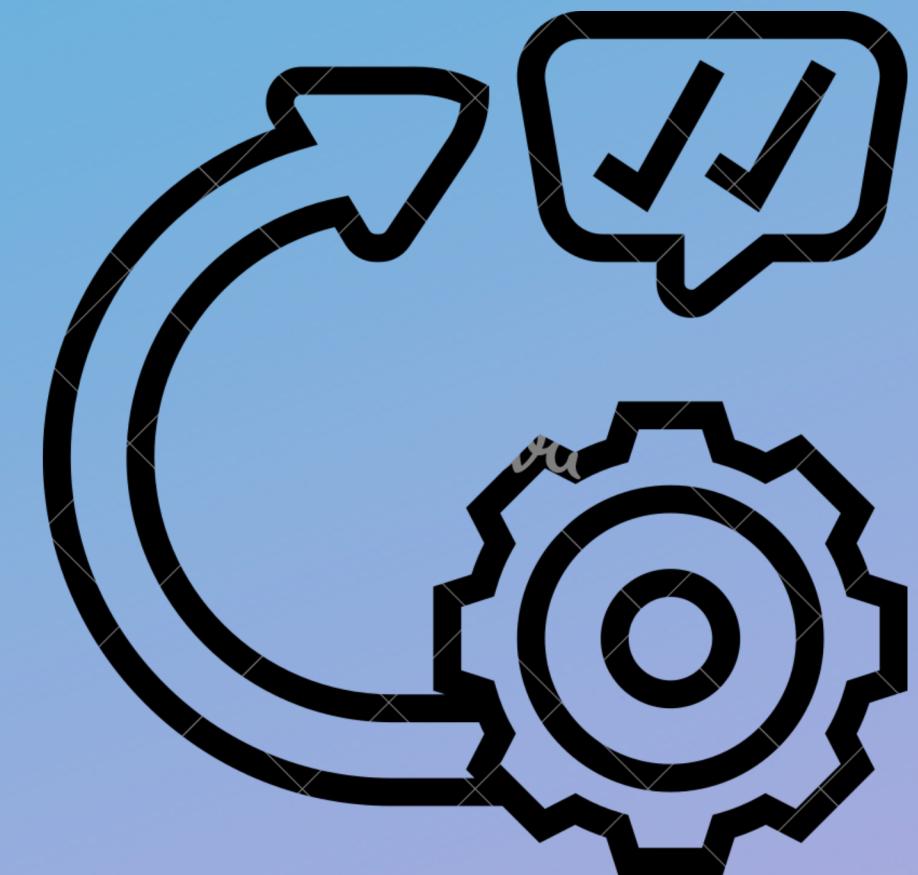
GETTING AVAILABLE RECIPES

- The home screen is automatically populated with recipes based on the available ingredients in the user's virtual.
- Doing so, we reduce the number of interaction needed and present immediately the info the user really want.



TEST RESULTS*

- Spoonacular API Service test (~75%)
- Model test (100%)
- Screens test - instrumented tests
- End-to-end testing



* Due to the application strong dependence on external service and the mock environment limitation employed during tests, our testing strategy for the viewmodels were limited making meaningful unit test impractical

LIVE DEMO





THANK YOU FOR YOUR ATTENTION

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