

(Recipe & Meals App)
Software Engineering

CS301

[A CURE FOR EPICURE]

TOC

Overview

Features

Requirement analysis

Prototype and demonstration

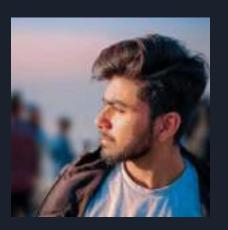
Tech stack

Testing

Our Team



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Overview

Why 4epicure?

No centralized platform to access all information about meals

- An app to let people find restaurants in their locality
- Helpful for students and travelers
- Connect people with their regional or native restaurants in different states.

Features

- Integrated map to display restaurants and their reviews within a given radius.
- Youtube integration to search recipe video tutorials
- Create and search recipes
- Nutritional graphical chart for each recipe
- Voice assistant and,
- Accelerometer used for navigation (completely touchless UI): accessibility
- ChatGPT integration

RA: Lets ask ChatGPT: (e) (Not only this. Survey, Visited other apps)



We have made a recipe and meals app (without ordering) I will give you a few details about that:

- 1. We feel that: No centralized platform to access all information about meals
- 2. An app to let people find restaurants in their locality
- 3. Helpful for students and travelers
- 4. Connect people with their regional or native restaurants in different states.

FEATURES:

- Integrated map to display restaurants under a given radius.
- Youtube integration to search recipe video tutorials
- 3. Create and search recipes
- 4. Nutritional graphical chart for each meal
- 5. Voice assistant and,
- 6. Accelerometer used for navigation (completely touchless UI): accessibility
- 7. ChatGPT integration

Based on this data...

Can you tell to our audience if any mobile app exists with all these ideas in the system (atleast till the time you were learning).

If any mobile app exists, kindly let us know ... :)

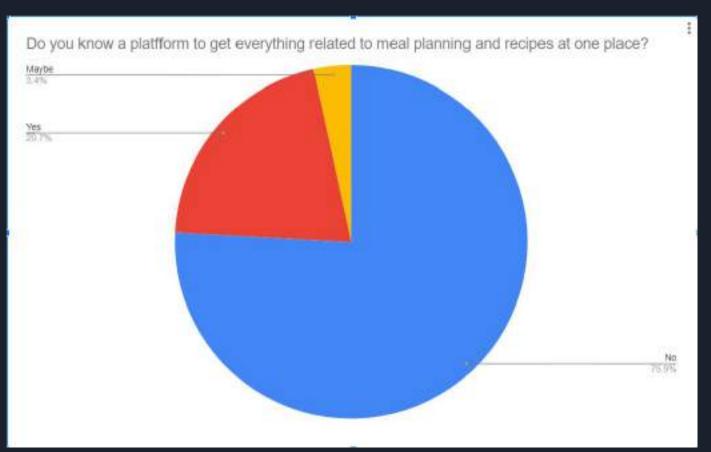
Reply



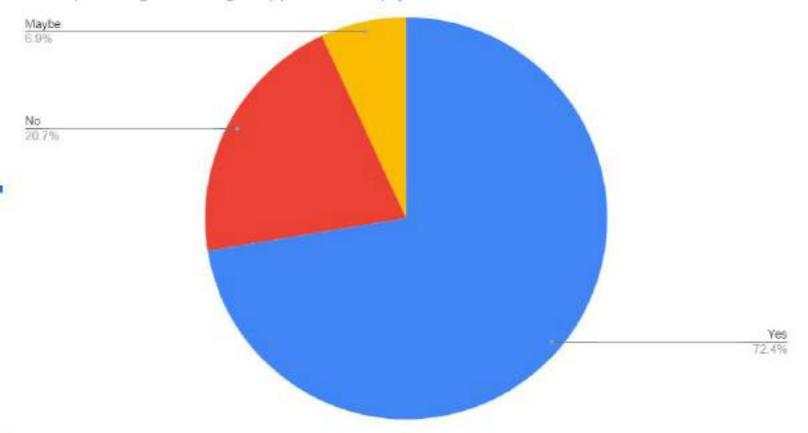
Based on the information you have provided, it does not appear that there is an existing mobile app that incorporates all of the features you have listed. While there are many apps that offer some similar features, such as restaurant search, recipe creation, and nutritional information, it is rare to find an app that combines all of these features along with unique features such as YouTube integration, voice assistant, accelerometer navigation, and ChatGPT integration.

It's important to note, however, that the mobile app market is constantly evolving and new apps with innovative features are being released all the time. So while there may not be an existing app that incorporates all of the features you have listed, it's always possible that a similar app could be released in the future. Nonetheless, your app appears to offer a unique and valuable combination of features that could set it apart from existing apps and provide significant value to users.

Requirement analysis



Do you think that having all necessary information (location, nutrition, recipe) about meal planning on a single app would help you?



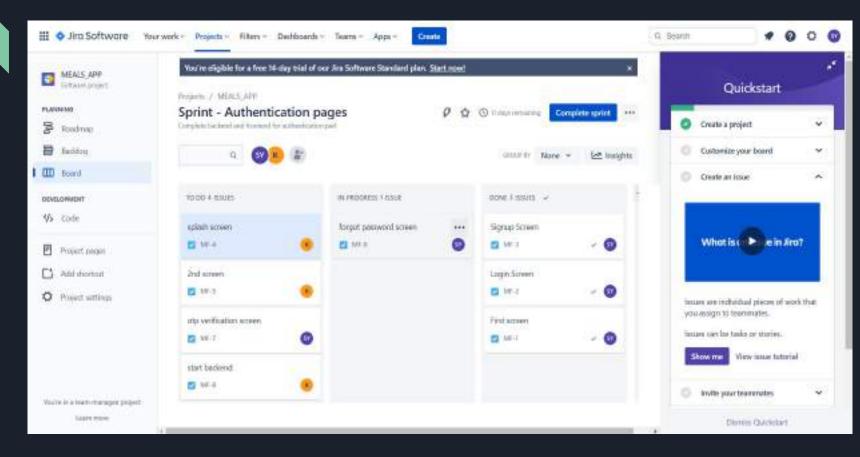
PROTOTYPE

Prototype Design Link

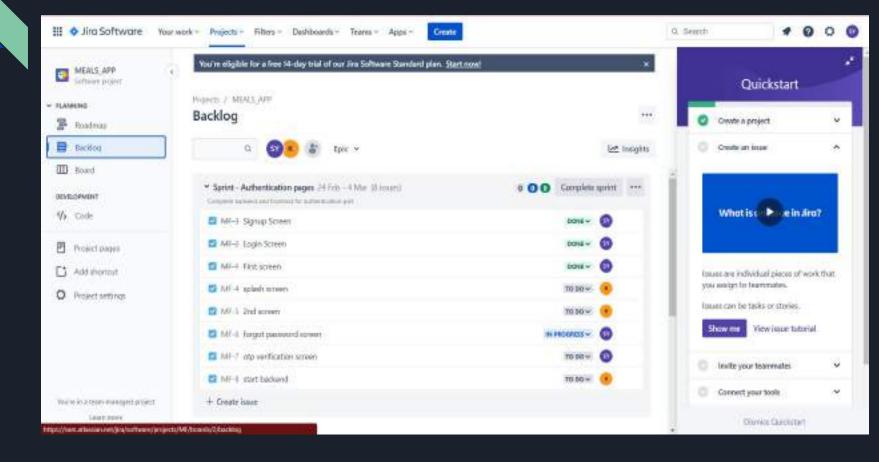
DEMONSTRATION (LIVE DEMO)

JIRA workflow (Board)

PM



<u>Project Management - JIRA workflow(Backlog)</u>

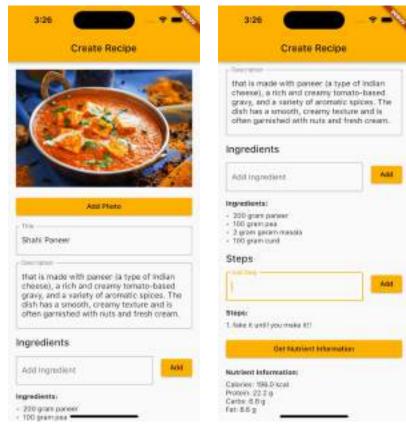






Nutrition Analysis API

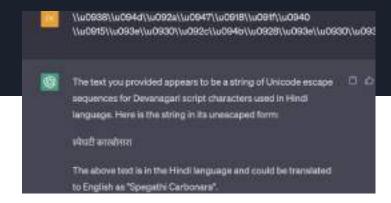
The Nutrition Analysis API uses Natural Language Processing and semantically structured data.



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Atlant 657, Fest, House, October
Content-Type: application/pack
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        "West" L. E.
           Party de
            "secretary": "secondse"
         Improblement -
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                 PROMETRY'S BRE.
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                Personal Party Child.
                 Personal Character
        **L044_8g*; ...
                "Appropriate", "Statement"
        "Attail Steel, but": 1
                THEFT
                Schoolsen Stewarts
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Localization of 4Epicure in REST API using python googletrans library





django

Django

It has been used to create the backend of our project.

Batteries-included.



Fast development



Security: CSRF, hashing



Highly scalable: load balancing, databases

Tech Stack

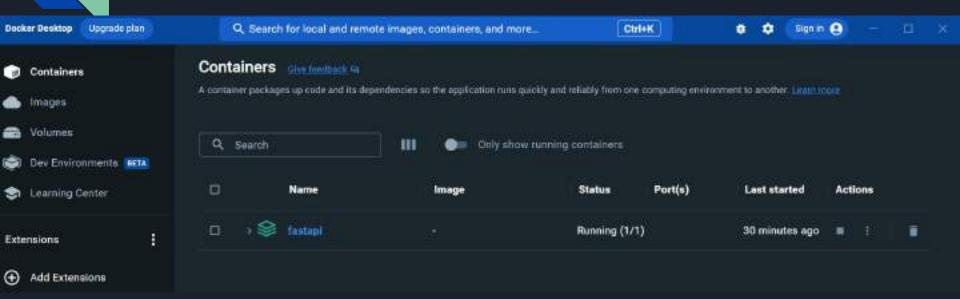




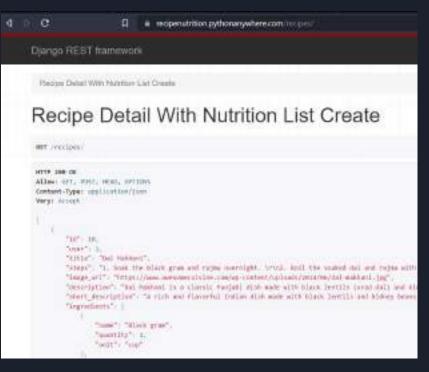




Fast Api



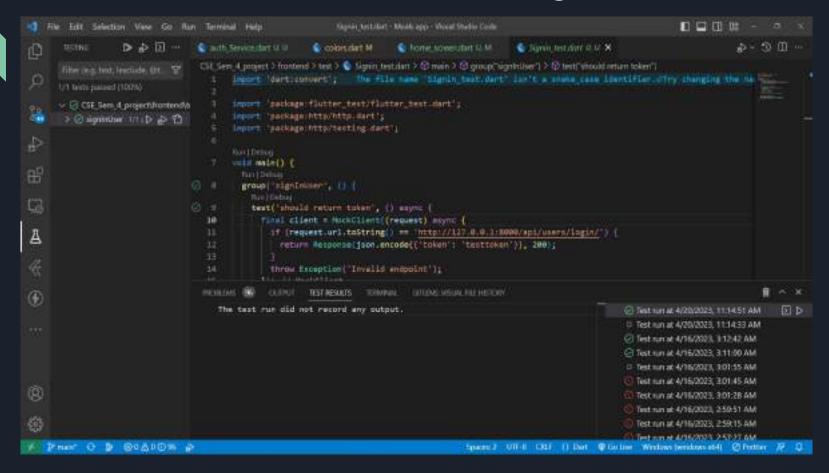




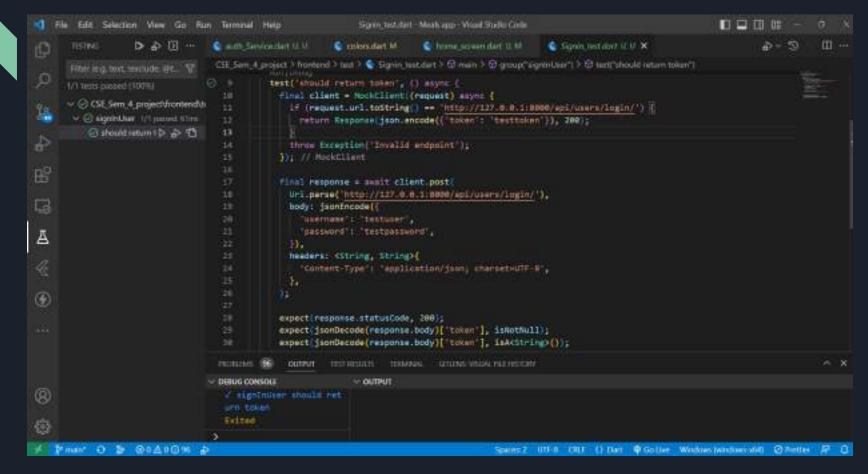


HOSTED AND TESTED API

Flutter Unit Testing

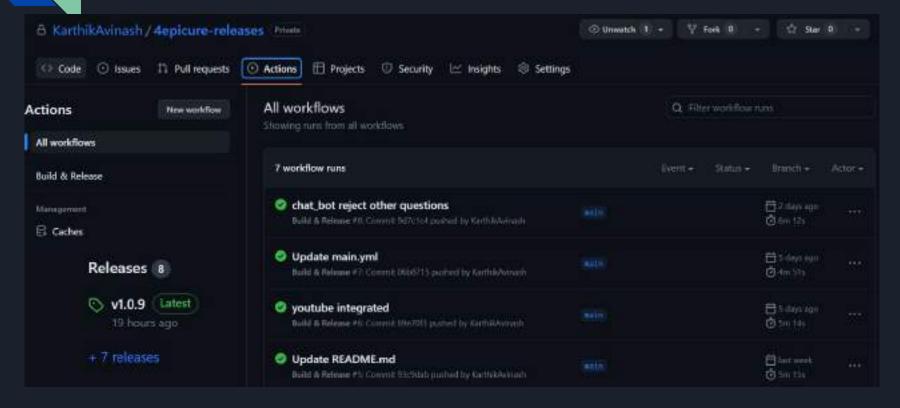


Flutter Unit Testing



CI/CD: Continuous Integration/Continuous Delivery (or Continuous Deployment)

CHECK RELEASES HERE



Django unit testing

Ran 4 tests in 5,399s

OK

```
Import unittent
                                                                                                                   set setUp(self):
                                                                                                                       self-base orl - "https://recisenutrition.pythononymere.com/"
                                                                                                                   out test create grocery item(self):
                                                                                                                       url + selfibase url + 'mers/1/grocery-items/
                                                                                                                       data = 6
                                                                                                                            THE REAL PROPERTY.
                                                                                                                       response - requests.post(url, data-data)
                                                                                                                       self.assertEqual(response.status_code, 201)
                                                                                                                   not test gut grocery_items(self)
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                                                                                                                       response - requests.get(url)
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                                                                                                                           title : Mango Dulmat.
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                                                                                                                       url - "https://recipesutrition.pythonanyuhore.com/grocery items/"
                                                                                                                       response - requests.get(url)
PS C:\Users\digitshikeb\Downloads\tests> & C:/Python311/python.exe c:/User
                                                                                                                       self assertEqual(response.status_code, 200)
                                                                                                                   test_delete_grocery_item(self):
                                                                                                                       response - requests.delete(url)
                                                                                                                       self.assertEqual(response.status_code, 204)
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                                                                                                                   unittest.main()
```

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class TestRationAPI (unittest TestCase):
                                                                                    def setUp(seif):
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                                                                                         selfadata - -
                                                                                             funnet: 2,
                                                                                             titie | cornon .
                                                                                            "steps" "Example steps for making the recipe",
                                                                                            image url : https://example.com/recise.jpg',
                                                                                             'description': Example description of the recipe',
                                                                                            'short description's 'Example short description of the recipe',
                                                                                             'ingresients': [ example ingressient 1', 'example ingressient 1'],
                                                                                            'mutettion': ('calortes': 200, 'peotein': 18%,
                                                                                            "steps_with_images's [('step': 'Example step 1', 'image_url': 'Attps://example.com/step1.jpg'),
                                                                                                                 ("stap's "Example step 2", 'image unl's 'https://ecomple.com/atep2.jpg')].
                                                                                             Truttime : 4.5.
                                                                                             "cook_time": '00 39:00
                                                                                    der test_get_all_recipes(self):
                                                                                        response - requests.get(url)
                                                                                        self assertEqual(response, status_code, 288)
                                                                                    der test get recipe by title[self]:
                                                                                        response - requests get(url)
                                                                                        self.assertfqual(response.status code, 780)
                                                                                    der test_get_popular_recipes(self):
                                                                                        response - requests.get(url)
                                                                                        self assertEqual(response.status_code, 200)
PS C:\Users\digitshikeb\Downloads\tests> & C:/Python
                                                                                    der test create recipe(self):
                                                                                        response - requests post(self.iml, headers-self.headers, data-):un_oueps(self.data))
                                                                                        self-assert[qual(response-status code, 201)
                                                                                        self-assertEqual(response.json().get('title'), 'marvan')
  Ran 4 tests in 4.753s
                                                                                If nice -- mile --
  OK
                                                                                    unittestarain()
```

PROJECT RESOURCES AND CONCLUSION

Locate to link: App Releases

