

ASE- SMALL TASKS AT HAND- INCREAMENT 1

Ayinala kausik (Class ID: 4)

Yaswanth Bonda (Class ID: 6)

Tharkin Vankayala (Class ID: 34)

Ravi Teja Yakkala (Class ID: 38)

Existing Service used in the project:

Google Maps API

Description: Used to locate the destination and shows the route for that specific point

URL: <https://developers.google.com/maps/documentation/android/>

Detail design of services:





User stories:

Story #5

Summary

As a user i want to find all possible connectives to the mongoDB

Detail

| | |
|---|--|
| <div>Assignee</div> <div> ayinalakaushik  rybp3</div> | <div>Creator</div> <div> ayinalakaushik</div> |
| <div>Epic:</div> | <div>Category:</div> |
| <div>Points: 13</div> | <div>Time Estimate:</div> |
| <div>Tags</div> | <div>Iteration: First Increment</div> |
| <div>Done</div> | <div> Permalink</div> |

Story #4

Summary

As a developer write connectivity to insert task into database

Detail

Assignee



Yaswanthbonda

Creator



ayinalakaushik

Epic:

#E2 Posting Service

Category:

Points: 20

Time Estimate:

Tags

Iteration: First Increment

Done

[Permalink](#)

Story #3

Summary

As a administrator install and configure ,create tasks document in mongoDB

Detail

Assignee



tharkinvankayala

Creator



ayinalakaushik

Epic:

Category:

Points: 13

Time Estimate:

Tags

Iteration: First Increment

Done

[Permalink](#)

Story #2

Summary

As a user i want to write description of the task and location of task

Detail

In android implement front end for summary

Assignee



ayinalakaushik

Creator



ayinalakaushik

Epic:

#E2 Posting Service

Category:

Points: 20

Time Estimate:

Tags

Iteration: First Increment

Done

[Permalink](#)

Story #1

Summary

As a customer i want Epic 2 to be completed which is posting the job

Detail

Assignee

Creator



ayinalakaushik

Epic:

#E2 Posting Service

Category:

Points: ?

Time Estimate:

Tags

Iteration: First Increment

Done

[Permalink](#)

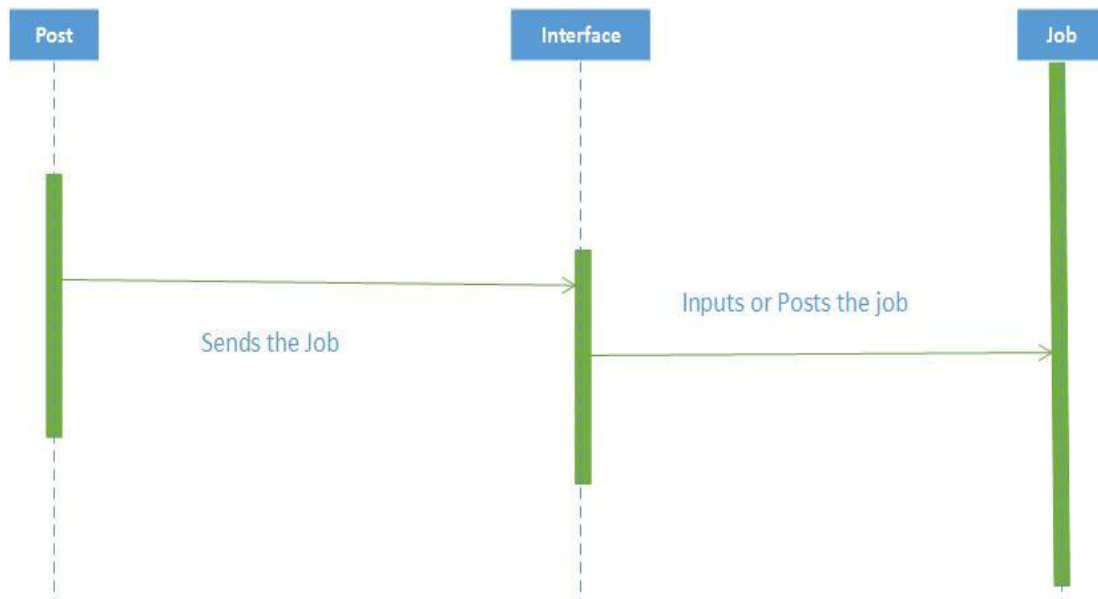
| | | | |
|---|-------------------------|-------------------------------|----|
| | | Project Velocity 66 Points | |
| First Increment | ≡ = _ ⊕ | Filter | ⚙ |
| #5 As a user i want to find all possible connectives to the mongoDB | Done Tasks 0 Comments | ayinalakaushik, rybp3 | 13 |
| #4 As a developer write connectivity to insert task into database | Done Tasks 0 Comments | #E2 Yaswanthbonda | 20 |
| #3 As a administrator install and configure ,create tasks document in mongoDB | Done Tasks 0 Comments | tharkinvankayala | 13 |
| #1 As a customer i want Epic 2 to be completed which is posting the job | Done Tasks 0 Comments | #E2 | |
| #2 As a user i want to write description of the task and location of task In android implement front end for summary | Done Tasks 0 Comments | #E2 ayinalakaushik | 20 |
| 5 Stories 66 Points | | | |

Service Description:

Employer can login into the application, then if he has anything to post, he can describe the task in edit Text so that the other viewers can see it and signup for the task to finish it. After that he can post the task by pressing the “post task” button. The description in the edit Text is retrieved and location of the user will be retrieved, using the REST API provided by mongolab the application will post the description and location of task into mongoDB database.

Sequence Diagram:

Posting the job information:



Class Diagram:

Posting the job information:



Design of mobile client interface:

- Single Activity was created which contains EditText and location.
- Location of the user will be automatically retrieved, no interface is created for location

SmallTasksAtHand



Description

POST TASK



SmallTasksAtHand



Description

post mail

POST TASK

email

nail
...

gmail

1 2 3 4 5 6 7 8 9 0
q w e r t y u i o p

a s d f g h j k l

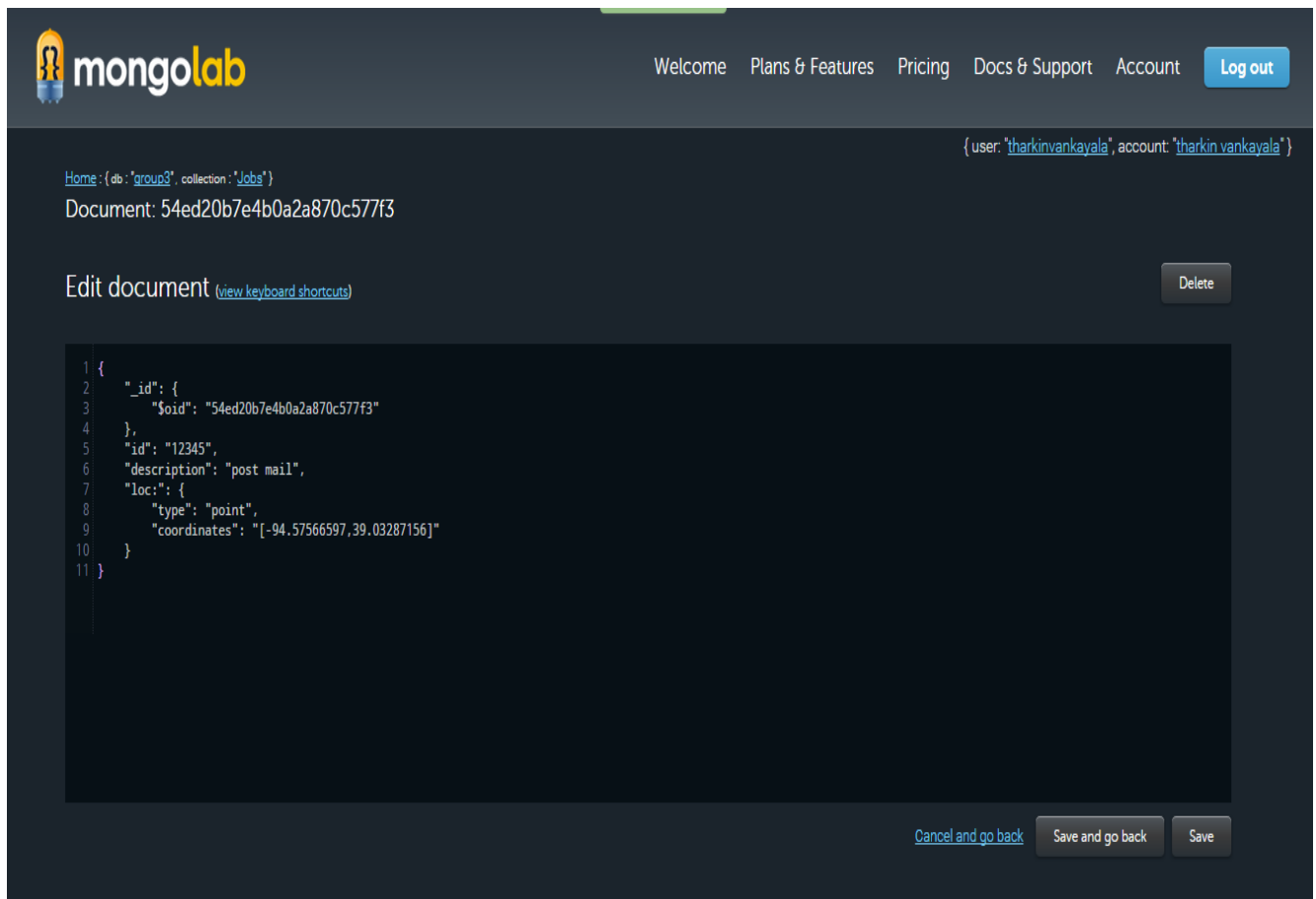
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IMPLEMENTATION:

Implementation of REST services:

- We used REST services provided by mongolab to connect to mongoDB.
- To connect the REST services we used predefined classes in android like 'HttpClient', 'HttpPost'
- Only POST REST service is used in this service.
- By using POST service we posted the task to mongoDB



The screenshot displays the Mongolab web application interface. At the top, the Mongolab logo is on the left, and navigation links for 'Welcome', 'Plans & Features', 'Pricing', 'Docs & Support', 'Account', and a 'Log out' button are on the right. Below the navigation bar, the current document is identified as 'Home: {db: 'group3', collection: 'Jobs'}' with a document ID of '54ed20b7e4b0a2a870c577f3'. The user is logged in as 'tharkin vankayala'. The main area is titled 'Edit document' with a link to 'view keyboard shortcuts' and a 'Delete' button. A code editor shows the following JSON document:

```
1 {
2   "_id": {
3     "$oid": "54ed20b7e4b0a2a870c577f3"
4   },
5   "id": "12345",
6   "description": "post mail",
7   "loc": {
8     "type": "point",
9     "coordinates": "[-94.57566597,39.03287156]"
10  }
11 }
```

At the bottom right, there are three buttons: 'Cancel and go back', 'Save and go back', and 'Save'.

Data stored in mongolab after using the POST.

Implementation of user interface:

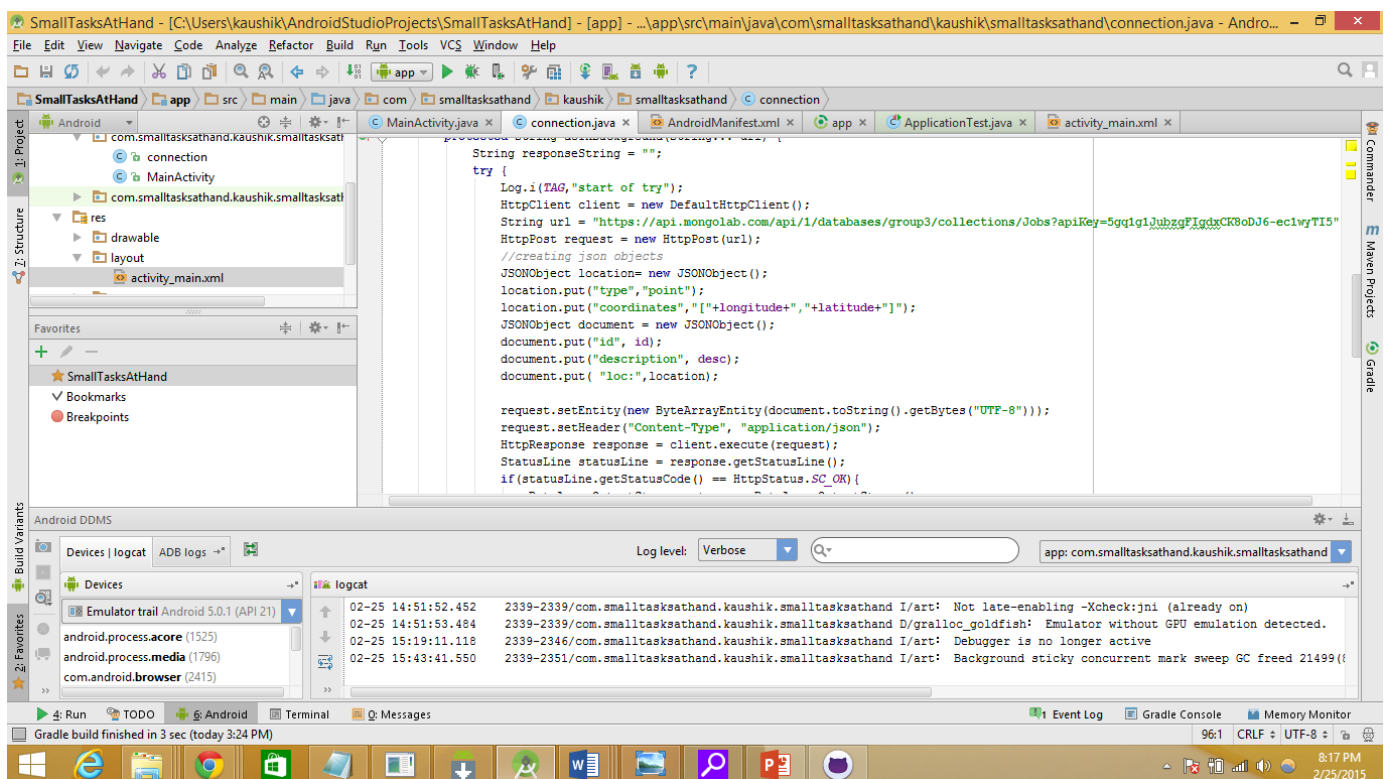
- User interface was developed with Android.
- Interface will contain EditText, TextView and Button in a single activity.
- When user presses the button the text in the EditText will be retrieved and location will be retrieved.

Deployment:

- Srcumdo link: <https://www.scrumdo.com/projects/project/small-tasks-at-hand>
- Project cloud site:
<https://www.dropbox.com/s/g546d6h3ctoziKv/SmallTasksAtHand.zip?dl=0>
- Github Link: <https://github.com/ayinalakaushik/SmallTasksAtHand>

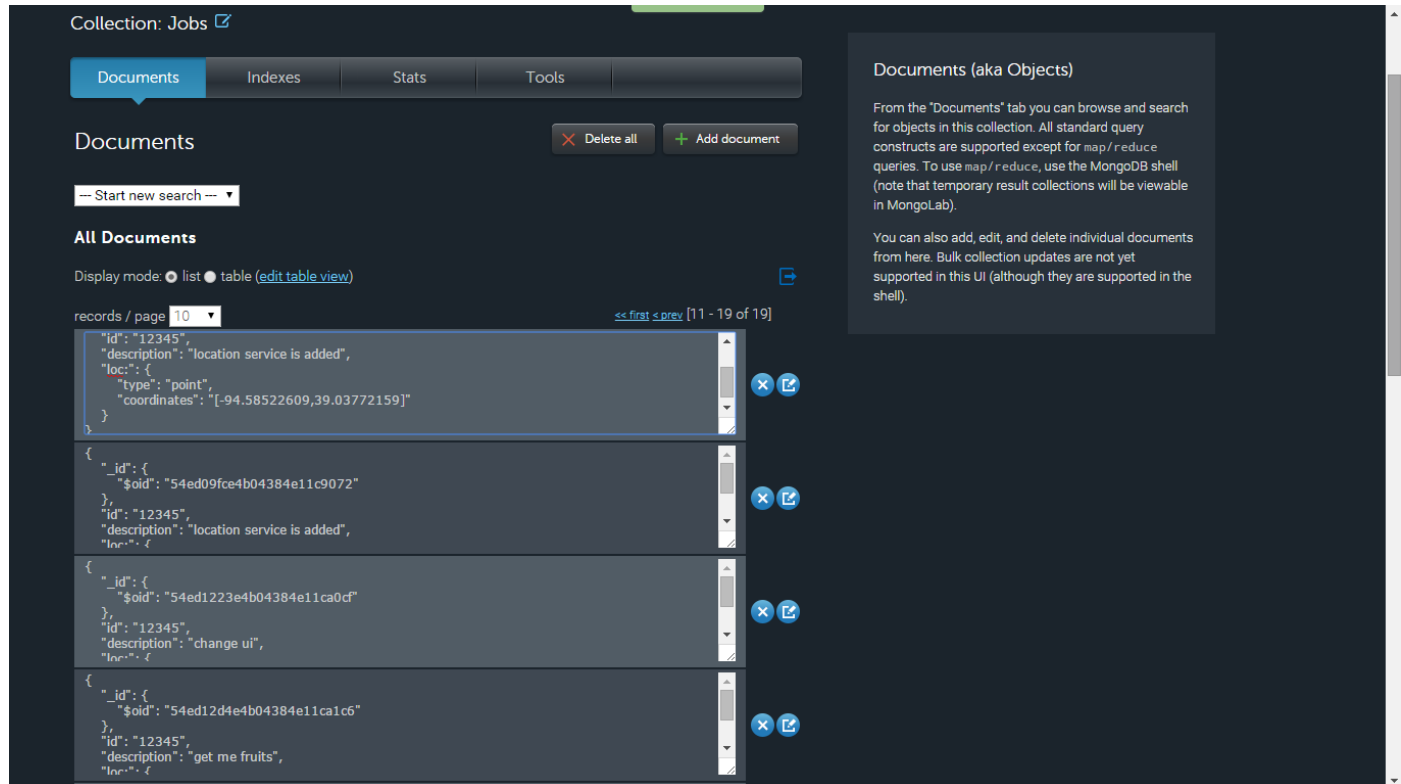
Report:

- In Android Studio we wrote the code for user interface of the mobile.



Android Studio

- In user interface when the user enters and press the Post Task, the description and location of the user will be retrieved and sends to mongoDB.



MongoDB hosting mongolab showing the list of the documents

PROJECT MANAGEMENT:

Work Completed:

Description:

We completed the task of employer posting a job service successfully using our application.

Responsibility:

Kaushik Ayinala: Completed the description of the task and location of task

Yaswanth Bonda: Completed the connectivity to insert task into database

Tharkin Vankayala: Installed, configured and created the tasks document in mongoDB

Ravi Teja Yakkala, Ayinala Kausik: We found all possible connectives to the mongoDB

Time Taken: 32 hours

Contributions:

Kaushik Ayinala: 31%

Yaswanth Bonda: 23%

Tharkin Vankayala: 23%

Ravi Teja Yakkala: 23%

