



Monthly Takeaways and Recap

Krishnaraj Thadesar

Associate Software Developer Intern

24th December 2024

IDEASTM
A SAS COMPANY

Agenda

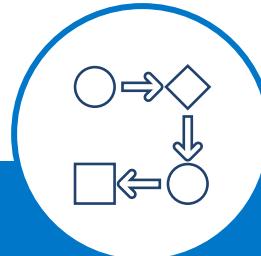
- Introduction
- Work Ongoing and Done
- Software and Applications Used
- Work Ongoing and Done
- Technical and Personal Learnings
- Accomplishments and Gratitude

Core Work Ongoing



Cabin Configuration Screen

Make the Cabin Configuration Screen



Onboarding

Onboarding a new member



APIs

Backend stories for APIs

Core Work Month 1



Demo Project

Started with making a demo project to get a hands-on about our tech stack



Processing Files

Process Input files given by client.



Designing Schema

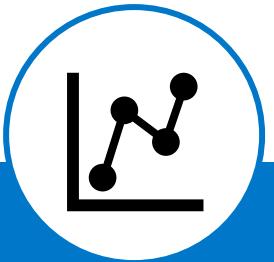
Working with my team to design the schema, and learning in depth about it in the process.

Core Work Month 2



Process 2 new Files

Out of Order and Historical Pricing files need to be processed



Analyze Files

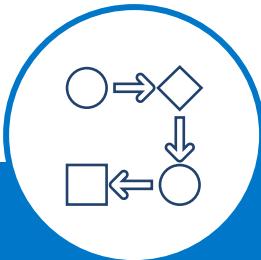
Perform basic analysis on the file, and try to find any potential errors or edge cases it may have



Angular Training

Attend and learn Angular for building frontend.

Core Work Month 3



Writing API for Forecasting

Write API calls for
Forecasting Page

File Processing workflow

Try to fix logical
inconsistencies in entire
file to dB workflow

Learning about APIs

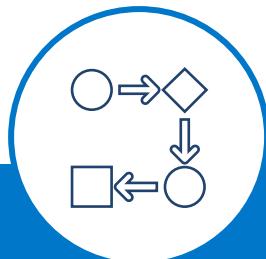
Learn about best
practices with writing
APIs and DTOs

Core Work Month 4



Writing API for Pricing And Configuration screen

Write API calls for Pricing screen, along with cabin configuration screen



Working on UI

Writing a new screen – cabin configuration

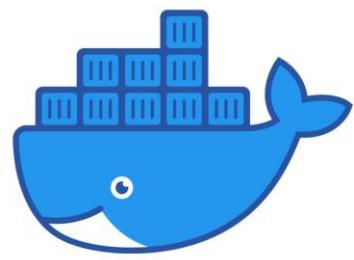


Learning UI code practices

Angular code practices, CSS, and frontend methodologies



DATADOG



Software and Applications Used

Technical Learnings

1. Treat small changes with the same respect that you treat big ones.
2. Don't take things at face value. Don't assume things someone tells you.
3. Don't commit important PRs when you are sleepy.

Technical Learnings Month 4

1. When a lot of files are conflicting, instead of getting frustrated, its best to resolve it with patience, than losing it. A few patient minutes can avoid hours of work later.
2. Test your work on dev and higher environments before marking it as done.
3. Use sonar cloud, and other warnings and code checks intellij offers.
4. When writing questionable code, try to write it as close to origin of data as possible. That makes it easier to debug.
5. In using a relational database, normalization is preferred over slight complexity. Simple queries are better than joins, even if you have to make a few tables for it.

Technical Learnings Month 3

1. While seemingly obvious, simpler solutions to problems are better than more complex ones.
2. Its important to know what each line and function of your code does. You can work without this too, just not as efficiently.
3. Indexes are more important in sql than we give them credit for. They are a topic worth learning deeply about.
4. Best Practices:
 1. Use constants on left side of your “=” in if statements.
 2. Use .equals or such function wherever you can as opposed to symbols.
 3. Use objects instead of primitive values. They are null safe.
 4. Try to use immutable types wherever you can.

Technical Learnings Month 2

1. All of your code logic for any function must reside within the height of your monitor, and you mustn't have to scroll. If you do, write functions.
2. Try to reduce any duplication of code.
3. Try to induce the feeling of being a developer in your team, rather than a temporary helper.
4. It is better to do one thing with accountability than 4 things that you aren't sure about. Reliability > versatility.
5. Do not love your code.
6. Do not say something doesn't work, without *completely* making sure it doesn't.
7. Outline your test cases before you write them, name the functions first.
8. Merge with main every now and then if your PRs last long.

Technical Learnings Month 2

9. Every now and then, make sure to check everything is up and running.
10. Make small Pull requests. Even smaller commits. Try to catch it up with your stories and subtasks in stories.
11. Simplify things – Complex is fun and exciting. It has a sense of awe. Simple code is understandable and therefore maintainable.
12. Breaking things down and doing things step by step is always better than combining a few things together. Its okay if work happens slower than expected, as long as it happens right.
13. Write test cases as soon as you finish writing a file.
14. Support using a pre-tested pre-existing famous library instead of writing any logic by yourself, only to have more things to test.
15. Try to reduce the usage of if-statements wherever you can. More branches.

Technical Learnings Month 1

1. Better code style and technique.
2. Farsightedness with regards to code, what it will go through, and how to make it robust.
3. It takes time to design, and its often worth spending that time in the beginning than to regret spending it later, and spend time fixing it instead.
4. Writing good code that doesn't work is harder than writing bad code that works, and it is this that makes personal projects easier in comparison to enterprise applications, despite achieving the same result at small scale.

Personal Learnings

1. Don't keep your phone on silent.

Personal Learnings from past few months.

1. Patience is an underrated virtue, both in developers and in people.
2. It is often better to focus on learning something well in the beginning rather than to focus on finishing something hastily.
3. It is in fact true that we don't even know how much is unknown to us, and available to learn.
4. It is better to listen and observe, than to intervene and speak, unless prompted to.
5. Being a good listener goes a longer way than we give it credit.
6. Before you ask request someone anything professionally, make sure they haven't already done it.
7. When asked *anything*, be honest about it. Even if the answer sounds disappointing.
8. Before starting a meeting, its good to walk through what you are going to say.
9. In scrums, its good to have a few succinct conclusions instead of a story.

Accomplishments – Merged PRs

The screenshot shows a GitHub repository page for 'ideasorg / cruiserm'. The 'Pull requests' tab is selected, displaying 7 merged pull requests. A red box highlights the search bar filter 'is:pr is:closed author:Krishnaraj-Thadesar_ideas'. Another red box highlights the '0 Open' button in the filter section.

Filters Labels 25

Clear current search query, filters, and sorts

0 Open	✓ 54 Closed
<input type="checkbox"/>	modified query temp fix ✓ infra/destroy #256 by Krishnaraj-Thadesar_ideas was merged last week • Approved (1 of 2 tasks)
<input type="checkbox"/>	added file created date for output files ✓ infra/destroy #250 by Krishnaraj-Thadesar_ideas was merged 9 hours ago • Approved (1 of 2 tasks)
<input type="checkbox"/>	using booking pace instead of reservation for meta cabin and market s... ✓ infra/destroy #247 by Krishnaraj-Thadesar_ideas was merged last week • Approved (1 of 2 tasks)
<input type="checkbox"/>	modified query to pick data from cabin_capacity_view instead of saili... ✓ infra/destroy #243 by Krishnaraj-Thadesar_ideas was merged last week • Approved (1 of 2 tasks)

Accomplishments – Merged PRs

IDeAS Team / One / one-ui

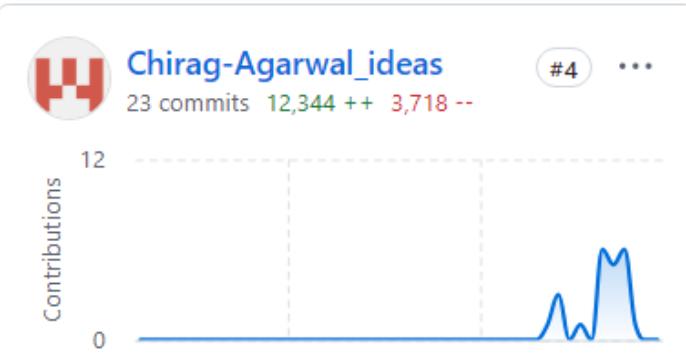
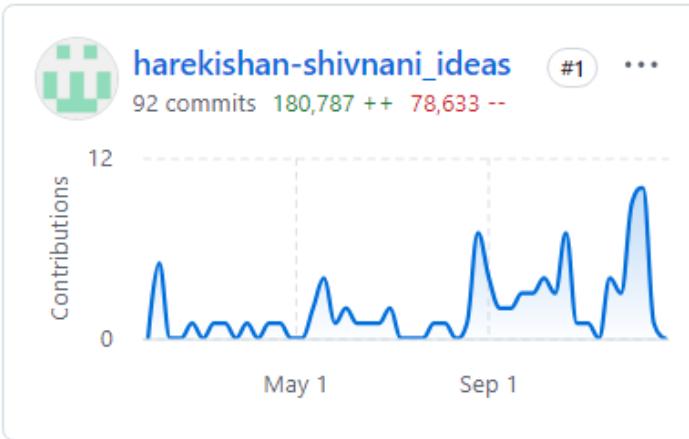
Pull requests

Create pull request

Search pull requests Merged Krishnaraj... Target branch I'm reviewing Sort by: Recently updated

Summary	Created	Activity	Reviewers	Builds
 feat(cruiserms): CRUISE-234: Fix Minor I... feature/cruise-234-fix-minor-c... → master 10 days ago  2 	Krishnaraj Thadesar - #3417, updated 7 days ago			
 feat(cruiserms): CRUISE-234-Added Co... feature/cruise-234-common-sa... → master 13 days ago  4 	Krishnaraj Thadesar - #3391, updated 2024-12-13			
 feat(cruiserms): CRUISE-234-Added Cab... feature/cruise-234-cabin-categ... → master 14 days ago  No activity 	Krishnaraj Thadesar - #3385, updated 2024-12-10			
 feat(cruiserms): CRUISE-234-Added Pric... feature/cruise-234-sailing-cabi... → master 14 days ago  No activity 	Krishnaraj Thadesar - #3382, updated 2024-12-10			
 feat(cruiserms): CRUISE-234-Changed C... feature/cruise-234-change-to-... → master 21 days ago  No activity 	Krishnaraj Thadesar - #3315, updated 2024-12-03			
 feat(cruiserms): CRUISE-234-Added New Tabs feature/cruise-234-new-tabs → master 21 days ago  No activity 	Krishnaraj Thadesar - #3314, updated 2024-12-03			
 Feature/CRUISE-234 cabin configuratio... feature/CRUISE-234-cabin-con... → master 1 month ago  2 	Krishnaraj Thadesar - #3188, updated 2024-11-13			

Accomplishments – Contributions



Look Back





01 JULY
14:09

>Conf: IDEAS Pune/Charminar (6)

Join your meeting with
this room

Mentor/ Manager Connect | Krishnaraj...

14:00 - 15:00
Shivani Gupte

Available
15:00 - 16:30

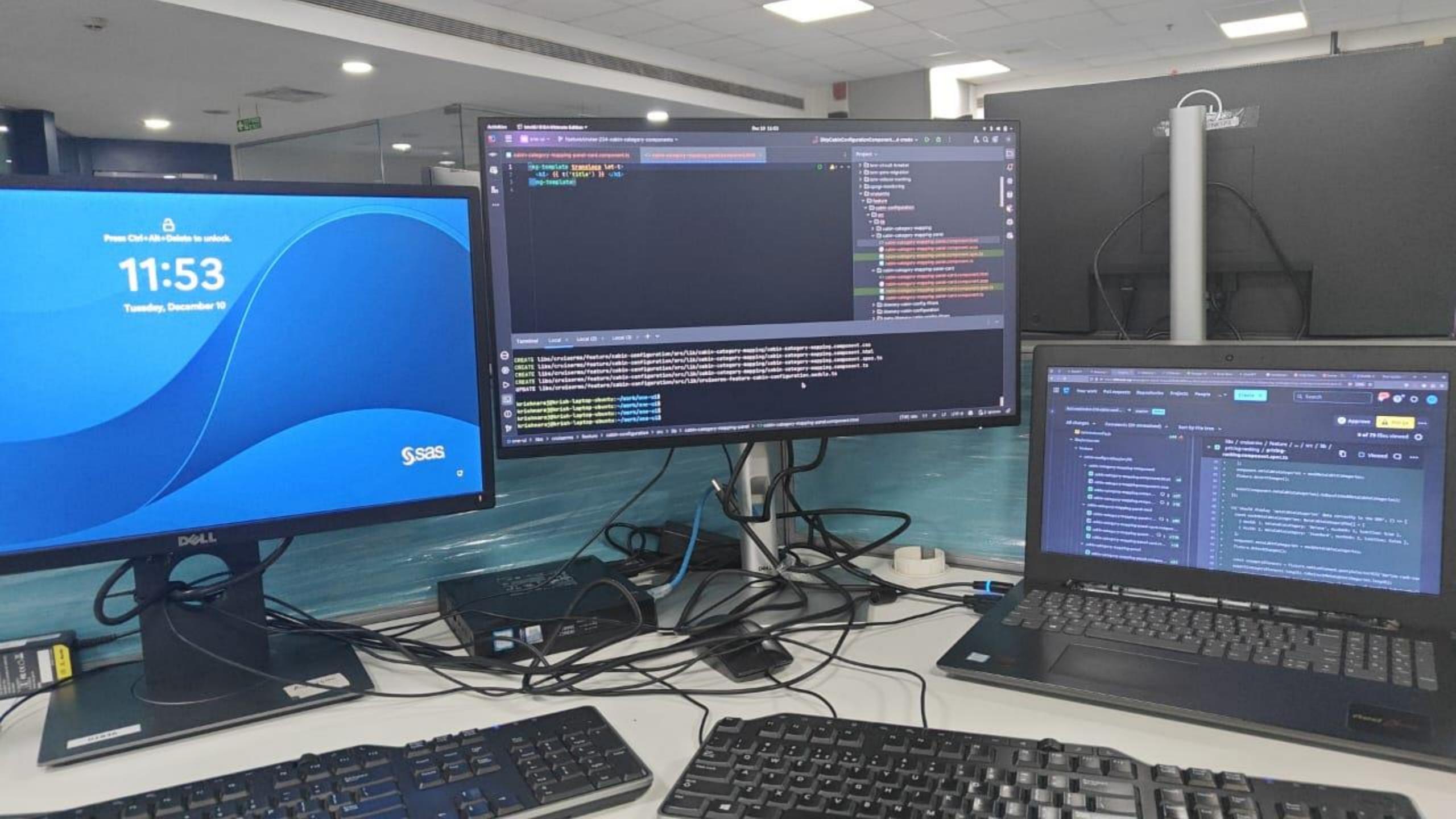
Private Meeting
16:30 - 17:00

Available
17:00 - 00:00

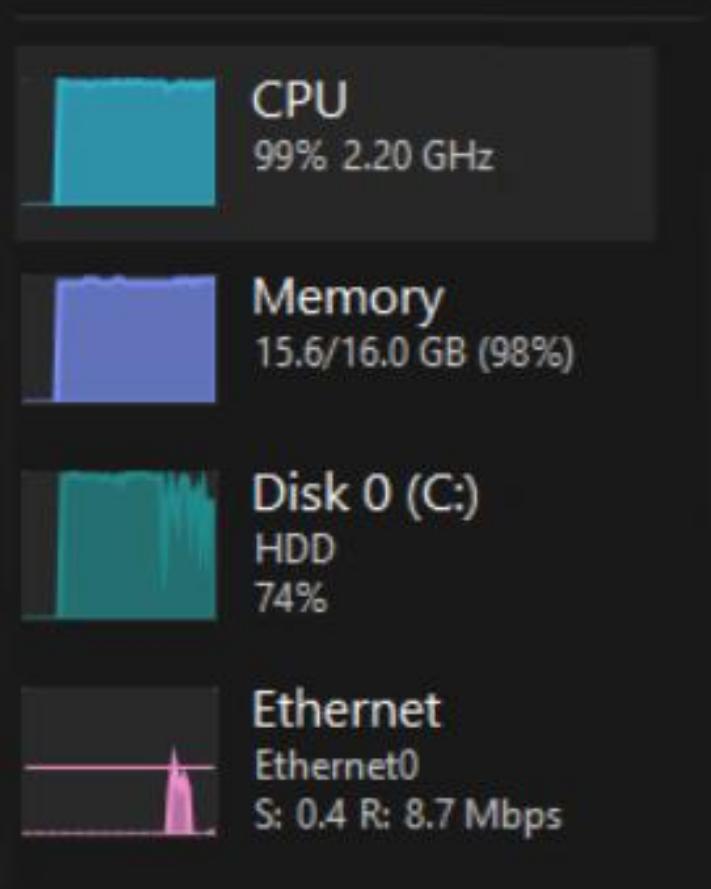


Pics by KPT | 2024.07.02 13:03





Performance



Name	Status	98%	97%	91%	0%
		CPU	Memory	Disk	Network
> Antimalware Service Executable		58.5%	282.3 MB	1.8 MB/s	0 Mbps
> IntelliJ IDEA (2)		12.9%	3,195.5 MB	3.7 MB/s	0 Mbps

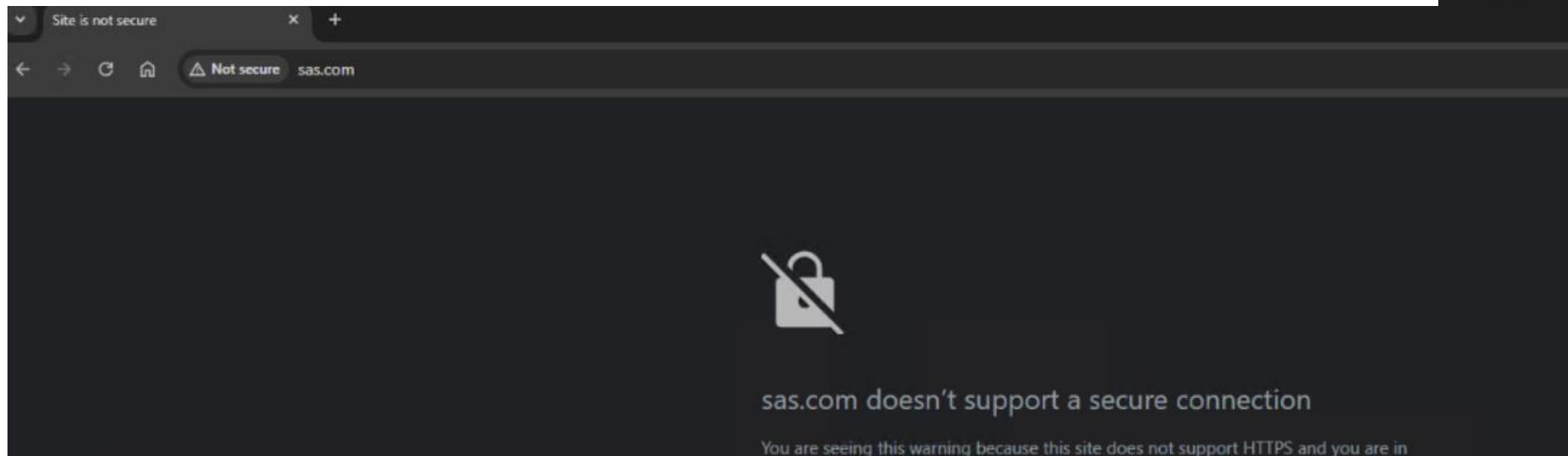
```
at org.jobrunner.JobRunnerException.shouldNotHappenException(JobRunnerException.java:43)
```

castMetaDTO.java console sailings V1_baseline_schema_seed_data_creation.sql

PostgreSQL <data so

⊖ | ✓ 1

```
.p FOREIGN KEY (ship_id) REFERENCES ship(ship_id);
```



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Prajwal Mahajan 10/1 1:02 PM

Chalo

Parth Ware 10/1 3:33 PM

Parth Ware 9/30/2024 3:32 PM

?



Prajwal Mahajan 10/1 3:33 PM

yep

```
ForecastResourceTest.testGetForecastForShip ×

ms ✘ Tests failed: 1 of 1 test – 3 sec 111 ms
ms
16:18:43.157 [main] INFO org.springframework.test.web.servlet.TestDisp...
16:18:43.163 [main] INFO org.springframework.test.web.servlet.TestDisp...

java.lang.AssertionError: [cumulative_fc_bk=133.58].occupancy_pct
Expected: 9.54
      got: 9.54
```

✓	 [PR] Build & Plan / Terraform (730335345554, tf_dev, dev) / Terraform Plan (pull_request)	Successful...	Details
✗	 [PR] Build & Plan / Terraform (730335345554, tf_dev, dev) / Terraform Apply (pull_request)	Skipped	Details
These conflicts are too complex to resolve in the web editor			
	This branch has conflicts that must be resolved		Resolve conflicts 
Use the command line to resolve conflicts before continuing.			

Conflicting files

cruiserms-app/src/main/java/com/ideas/cruiserms/controller/ForecastResource.java

```
Digest: sha256:3d2b48985ba09eb96efeb3bca06fd1b23cccf5d4ee792d532177d55ec1!
Status: Downloaded newer image for sonarsource/sonarcloud-quality-gate:0.
* Quality Gate failed
- Line Coverage on New Code: 59.61538461538461 (is less than 60)
```

1 package com.ideas.cruiserms.repo;

Conflicts

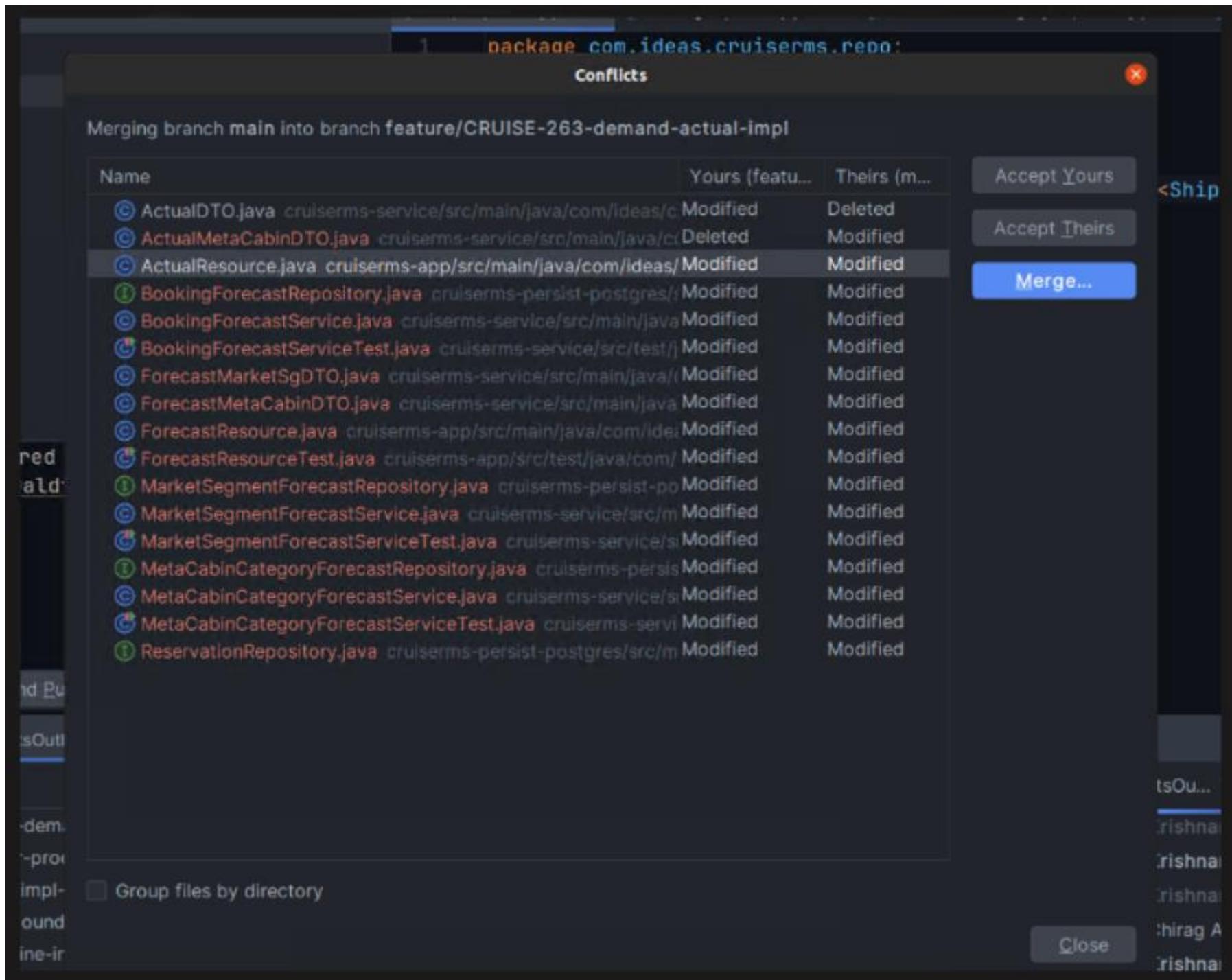
Merging branch main into branch feature/CRUISE-263-demand-actual-impl

Name	Yours (featu...)	Theirs (m...)	
ActualDTO.java	com/cruiserms-service/src/main/java/com/ideas/c Modified	Deleted	Accept Yours
ActualMetaCabinDTO.java	com/cruiserms-service/src/main/java/com/ideas/c Deleted	Modified	Accept Theirs
ActualResource.java	com/cruiserms-app/src/main/java/com/ideas/c Modified	Modified	Merge...
BookingForecastRepository.java	com/cruiserms-persist-postgres/ Modified	Modified	
BookingForecastService.java	com/cruiserms-service/src/main/java/ Modified	Modified	
BookingForecastServiceTest.java	com/cruiserms-service/src/test/ Modified	Modified	
ForecastMarketSgDTO.java	com/cruiserms-service/src/main/java/ Modified	Modified	
ForecastMetaCabinDTO.java	com/cruiserms-service/src/main/java/ Modified	Modified	
ForecastResource.java	com/cruiserms-app/src/main/java/com/ideas/c Modified	Modified	
ForecastResourceTest.java	com/cruiserms-app/src/test/java/com/ideas/c Modified	Modified	
MarketSegmentForecastRepository.java	com/cruiserms-persist-po Modified	Modified	
MarketSegmentForecastService.java	com/cruiserms-service/src/main/java/ Modified	Modified	
MarketSegmentForecastServiceTest.java	com/cruiserms-service/src/test/ Modified	Modified	
MetaCabinCategoryForecastRepository.java	com/cruiserms-persist-po Modified	Modified	
MetaCabinCategoryForecastService.java	com/cruiserms-service/src/main/java/ Modified	Modified	
MetaCabinCategoryForecastServiceTest.java	com/cruiserms-service/src/test/ Modified	Modified	
ReservationRepository.java	com/cruiserms-persist-postgres/src/main/java/ Modified	Modified	

Group files by directory

<Ship

Close



```
lements Step<StatisticsCorrelation> {  
    statisticsCorrelation statisticsCorrelation) throws  
    com = 0;  
  
    = FileParam.builder().localFilePath(appProperties  
    le.separator + statisticsCorrelation.getFileName())  
  
    e database first  
    luateFromDatabase(sailingCabinMapDb,  
, shipsHashMapDb, metaCabinCategoryMapDb,  
);  
  
    reader = fileService.readDataFrom(fileParam);  
    readerBuilder(fileReader).build() {
```

© Sailing
© SailingCabin
© SailingCabinPk
© Shedlock
© Ship
© StatisticsCorrelation
© Status

> repo
> resources
> test
build.gradle
> cruiserm-s3
> cruiserm-s3

! Commit and push checks failed
137 errors and 16 warnings
[Commit anyway and push](#) [Review code analysis](#)

71:59 LF UTF-8 4 spaces

3:42 PM 8/9/2024

Pics by KPT | 2024.08.09 15:42

```
12 import com.ideas.cruiserns.workflow.Step;
13 import com.opencsv.CSVReader;
14 import com.opencsv.CSVReaderBuilder;
15 import com.opencsv.exceptions.CsvValidationException;
16 import lombok.RequiredArgsConstructor;
17 import lombok.extern.slf4j.Slf4j;
18 import org.springframework.stereotype.Component;
19
20 import java.io.File;
21 import java.io.IOException;
22 import java.io.Reader;
23 import java.util.ArrayList;
24 import java.util.List;
25
26 import static com.ideas.cruiserns.common.util.CruiseConstant.SAVE_BATCH_SIZE;
27 import static com.ideas.cruiserns.util.FileUtil.checkColumnLength;
```

Git Log: feature/CRUISE-85-process-allcabins-file-workflow... Console Log ×

Branches	Text or hash	.* Cc	Branch	User	Date	Paths	Actions
	CRUISE-85: Process All Cabins deleted unnecessary files, removed some code.	/CRUISE-85-process-allcabins-file... krthad		49 minutes ago		
	CRUISE-85: Process All Cabins File	/CRUISE-85-process-all-cabins-file	Harekishan Shivnani	Today 4:38 PM		
	Merge branch 'feature/CRUISE-85-process-all-cabins-file' of github.com:ideasorg/cruiserns into feature/CRUISE-85-process-al			Harekishan Shivnani	Today 4:34 PM		
	CRUISE-85: Process All Cabins File			Harekishan Shivnani	Today 4:32 PM		
	CRUISE-85-Process-AllCabin-Files increased code coverage	/feature/CRUISE-85-process-allcabins-f...	Krishnaraj-Thadesar_ideas	Today 4:28 PM		
	CRUISE-85: Process All Cabins File			Harekishan Shivnani	Today 4:26 PM		
	CRUISE-85-Process-AllCabin-Files removed unused tests	/feature/CRUISE-85-process-allcabins-f...	Krishnaraj-Thadesar_ideas	Today 3:15 PM		
	CRUISE-85-Process-AllCabin-Files removed impl of raw cabin details			Krishnaraj-Thadesar_Ideas	Today 3:06 PM		
	CRUISE-85-Process-AllCabin-Files removed impl of raw cabin details			Krishnaraj-Thadesar_Ideas	Today 3:05 PM		



Pics by KPT 2024.08.20 17:58



● Arun Pratap, ○ Harekishan, +2 ✎ Chat Shared +

Meet now ... 4 ...

▶ ○+ Harekishan Shivnani added Arun Pratap Singh and 2 others to the chat.

Harekishan Shivnani 8/23 12:25 PM



Hi Krishnaraj @

8/23 12:27 PM

yes sir

Harekishan Shivnani 8/23 12:27 PM



Go ahead and merge your first PR of your professional career 🎉

8/23 12:29 PM

Yesss, thank you!

Done!



Harekishan Shivnani 8/23 12:32 PM



Just keep a note what all is pending in this PR for next commit 😊

Harekshan Shivnani 8/23 12:32 PM



Just keep a note what all is pending in this PR for next commit 😊

8/23 12:33 PM

yes sir!

Hopefully the next pr wont take another month



Harekshan Shivnani 8/23 12:35 PM



time is fine important is learning at this phase of career

[Pull requests 13](#) [Actions](#) [Security](#) [Insights](#)

harekishan-shivnani_ideas requested your review on this pull request.

[Add your review](#)

CRUISE-641 : Booking Pace: Generate Booking Pace at Ship/Market Segment/Meta Cabin Category Level #240

[Edit](#) [Code](#)[Open](#)harekishan-shivn... wants to merge 3 commits into [main](#) from [bookingPace/CRUISE-641](#) 



harekishan-shivnani_ideas requested changes 14 hours ago

[View reviewed changes](#)

cruiserms-app/src/main/java/com/ideas/cruiserms/config/security/SecurityConfig.java

```
...     ... @@ -34,7 +34,7 @@ public SecurityFilterChain securityFilterChain(HttpSecurity http, CookieBearerTo
34         34             .dispatcherTypeMatchers(DispatcherType.ASYNC).permitAll()
35         35             .requestMatchers("/actuator/**").permitAll()
36         36             .requestMatchers("/internal/**").permitAll()
37     -             .requestMatchers("/api/v1/health").permitAll()
37     +             .requestMatchers("/api/v1/**").permitAll()
```



harekishan-shivnani_ideas 14 hours ago

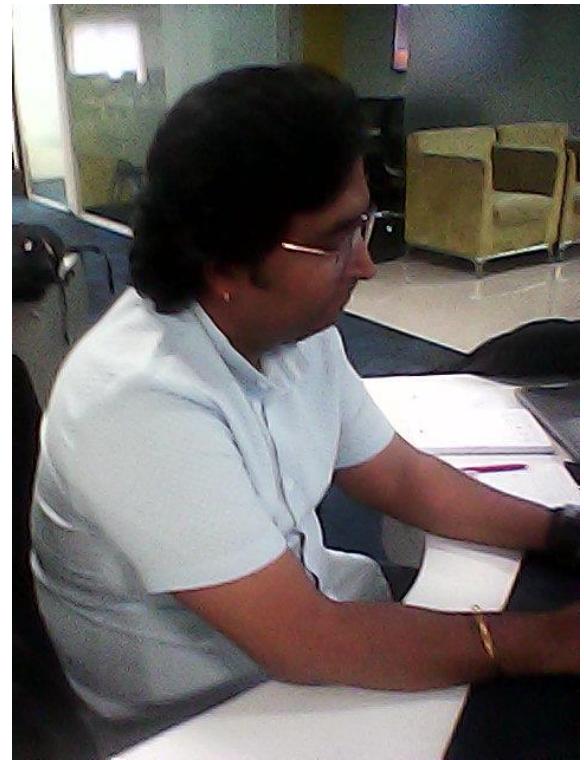
...

This should not be committed be careful..this is happening second time. Accidentally check in will cause issues

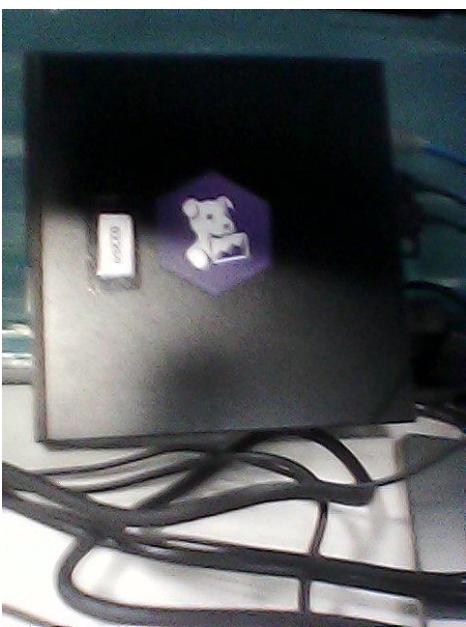


Reply...





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Pics by KPT | 2024.08.28 10:50

IDeasTM
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Pics by KPT | 9 December 2024 at 16:38



Pics by KPT | Pune | 19 December 2024 at 16:36

$$I = I_0 \sin \omega t$$

$$x \rightarrow 0$$

Thank You

Continued gratitude to Mr. Arun Pratap Singh, Mr. Harekishan Shivnani, and Mrs. Sunanda Duttasen for their over the clock availability for any and all help I need at any time.

info@ideas.com | ideas.com

