

## Project Summary

Team #: 13-05

Team Name: Fruit Leather

Project Title: Rechef - when you need to know what to cook

Team Members: Ferin Von Reich, Ian Mckibben, Carson Syberg, Rachel McMinn, Md Mahmud, Daunte

### General Summary

Our web app takes user-inputted ingredients and returns a list of recipes that you can cook with the given ingredients. We web scrape recipes to find the necessary ingredients and compare them against user inputted ingredients, returning the closest matches first. This lets users save time by getting the recipe directly instead of them having to search the internet manually given their ingredients. Furthermore, it will allow them to have a wider variety of selection, as they will be recommended recipes that they have never made or heard of before.

**Video:** <https://youtu.be/R5KJ9Ujlxzs>

**Github Link:** <https://github.com/CU-CSCI-3308-Fall-2021/CSCI-3308-Fall21-013-05>

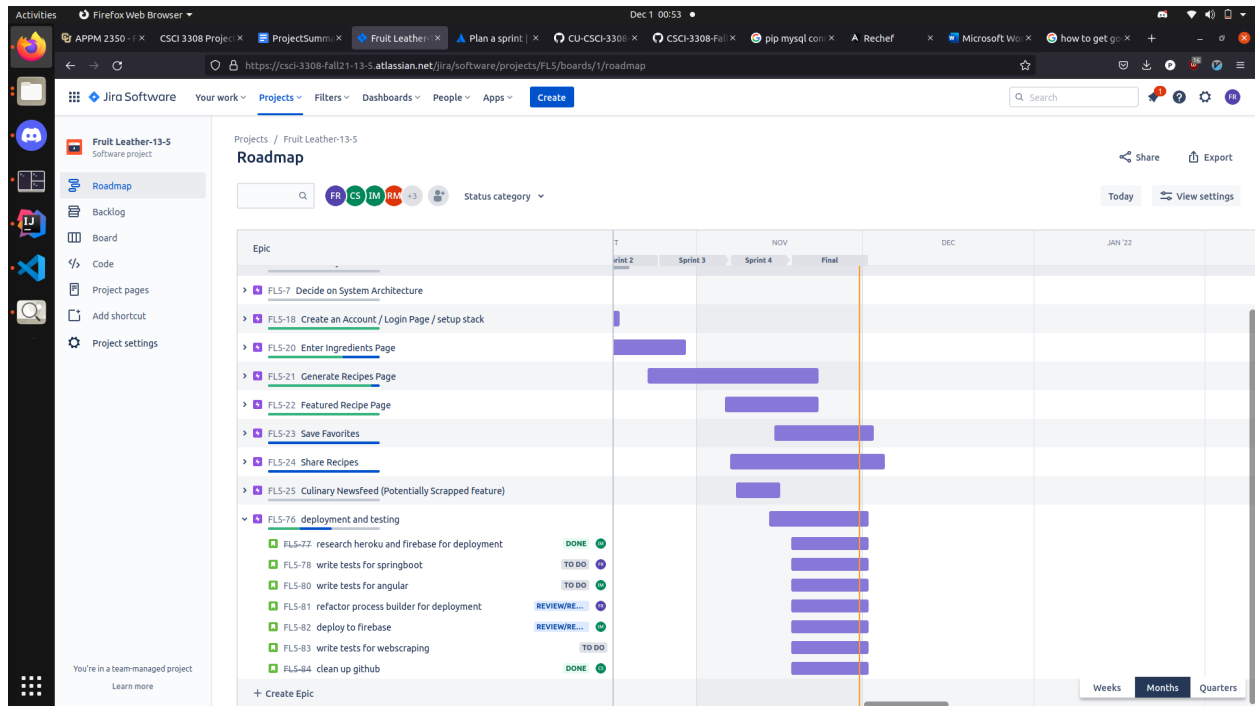
**Deployment Link:** <https://rechef-f4067.web.app>

### Project Tracker:

Jira Board (comprehensive screenshots not included for size, please follow the link):

<https://csci-3308-fall21-13-5.atlassian.net/jira/software/projects/FL5/boards/1/roadmap>

Screenshot below



## Individual Contributions

### Carson Syberg

- Created initial wireframes and database. Worked on user acceptance testing plans, researched connecting spring boot with recipes database. Connected webscraping to database entry. Worked on integrating the web scraper and the springboot app.

Got run_python working to create jsons and add to DB carsonsyberg committed 20 minutes ago	742bb76	<>
Merge branch 'main' of https://github.com/CU-CSCI-3308-Fall-2021/CSCI... carsonsyberg committed 43 minutes ago	d324689	<>
Push carsonsyberg committed 43 minutes ago	26d6b36	<>
Merge branch 'main' of https://github.com/CU-CSCI-3308-Fall-2021/CSCI... carsonsyberg committed 1 hour ago	c46085e	<>
Added file creation to end of init.py to show if it ran or not carsonsyberg committed 1 hour ago	90add0f	<>
Added run python java code to both spiders carsonsyberg committed 1 hour ago	5457db3	<>
Moved json_to_sql.py to spiders folder in simplyscraper, added run_py... carsonsyberg committed 18 days ago	d0eddff	<>
Merge branch 'main' of https://github.com/CU-CSCI-3308-Fall-2021/CSCI... carsonsyberg committed 18 days ago	98b4a22	<>
Moved json_to_sql to spiders folder / added run_python.java carsonsyberg committed 18 days ago	7c89330	<>

-	Updated db creation / json to sql ... carsonsyberg committed 28 days ago	21465ee	<>
	Update database_creation.sql ... carsonsyberg committed on Oct 29	2ad9638	<>
-	Database update / json parser ... carsonsyberg committed on Oct 27	c1f09c6	<>
	Changed TEXT to BLOB carsonsyberg committed on Oct 14	190e370	<>
	Merge branch 'main' into database ... carsonsyberg committed on Oct 12	885f702	<>
	Added the database creation script carsonsyberg committed on Oct 12	4ccc156	<>
	Re-adding wireframes as pdfs carsonsyberg committed on Oct 1	aea7076	<>
-	Added wireframes carsonsyberg committed on Sep 27	cc56fbd	<>

## Rachel McMinn

- Researched integration, worked on front end for ingredients page, home page, featured recipes page, and login

-	Commits on Oct 11, 2021		
	adding enter ingredients ... rachelmcminn committed on Oct 11	8831d02	<>
	added ingredients page rachelmcminn committed on Oct 11	cea1a91	<>
	updated with back-end connection rachelmcminn committed on Oct 11	f01a1cc	<>
	adding basic log in rachelmcminn committed on Oct 11	37b6adb	<>
	basic login page rachelmcminn committed on Oct 11	5aaf4d5	<>

-	Commits on Nov 16, 2021		
	Merge pull request #9 from CU-CSCI-3308-Fall-2021/views ... rachelmcminn committed 13 days ago	Verified 0485f40	<>
-	Commits on Nov 15, 2021		
	featured recipes pg rachelmcminn committed 14 days ago	86d0e3c	<>
-	Commits on Nov 8, 2021		
	Merge pull request #4 from CU-CSCI-3308-Fall-2021/views ... rachelmcminn committed 21 days ago	Verified 74ab277	<>
	updated ingredients page rachelmcminn committed 21 days ago	10405ea	<>
-	Commits on Oct 28, 2021		
	Merge branch 'main' of https://github.com/CU-CSCI-3308-Fall-2021/CSCI... rachelmcminn committed on Oct 28	c9fdff7	<>
	milestone 4 wireframes rachelmcminn committed on Oct 28	eeeb461	<>

## Md Mahmud

- Research multiple ways to webscrape. Created web scraping module using scrapy for python that scraped simplyrecipes.com and allrecipes.com recipes into a json format.

main		
Commits on Nov 29, 2021		
Added more documentation to how scrapy works emdee52 committed 1 hour ago	Verified	b243898 <>
Added more documentation to how scrapy works emdee52 committed 1 hour ago	Verified	d7e6dc1 <>
Commits on Nov 28, 2021		
Update requirements.txt emdee52 committed yesterday	Verified	ecf9681 <>
Commits on Nov 11, 2021		
Updated to make it run upto a certain amount emdee52 committed 18 days ago	Verified	0427f19 <>
Update __init__.py emdee52 committed 18 days ago	Verified	4a94c55 <>
Update README.md emdee52 committed 18 days ago	Verified	dda4bc7 <>
Update README.md emdee52 committed 18 days ago	Verified	1719250 <>
Upload scrapy_crawler backup emdee52 committed 18 days ago	Verified	38190d6 <>
Update scrapy call emdee52 committed 18 days ago	Verified	617eaf9 <>
For simply_crawler emdee52 committed 18 days ago	Verified	e134bdc <>

Updated to run scrapy through this file emdee52 committed 18 days ago	Verified		c3da36c	<>
Commits on Oct 29, 2021				
Add files via upload emdee52 committed on Oct 29	Verified		f2b2d60	<>
Uploaded scraper for allrecipes.com emdee52 committed on Oct 29	Verified		180531b	<>
Deleting since filepath is wrong emdee52 committed on Oct 29	Verified		aaabbe0	<>
Uploaded allrecipes_scraper ... emdee52 committed on Oct 29	Verified		54ea086	<>
Deleting old version of simply_scraper ... emdee52 committed on Oct 29	Verified		0f77c8a	<>
Uploading new version of simply scraper ... emdee52 committed on Oct 29	Verified		c8d0586	<>
Added scrapy-deltafetch as a requirement emdee52 committed on Oct 29	Verified		591667e	<>
Commits on Oct 21, 2021				
uploaded json file w/ scraped recipes emdee52 committed on Oct 21	Verified		e8058ef	<>
added json output emdee52 committed on Oct 21	Verified		f881a64	<>
Commits on Oct 15, 2021				
Create __init__.py emdee52 committed on Oct 15	Verified		65dc3f9	<>
Update __init__.py emdee52 committed on Oct 15	Verified		df96035	<>
Commits on Oct 14, 2021				
Added example scraping logs and scraped results emdee52 committed on Oct 14	Verified		62d05f9	<>
Merge pull request #3 from CU-CSCI-3308-Fall-2021/scraping ...				
emdee52 committed on Oct 14	Verified		7df8684	<>
Create README.md emdee52 committed on Oct 14	Verified		0af5ff8	<>
Removed redundant info from scraper emdee52 committed on Oct 14	Verified		c8c4213	<>
Add files via upload emdee52 committed on Oct 14	Verified		71e178c	<>
Delete simplyrecipes.jl emdee52 committed on Oct 14	Verified		9649aba	<>
Add files via upload emdee52 committed on Oct 14	Verified		def5fc1	<>
Create simplyrecipes.jl emdee52 committed on Oct 14	Verified		0b7ffd4	<>

[Newer](#) [Older](#)

## Daunte Mascotti

- Researched methods of web scraping and general rules that needed to be followed.
- Created a web scraping tool using the BeautifulSoup python library that exported necessary recipe information into a txt format.
- Researched multiple recipe websites in order to find the most reliable and easiest site to extract information from.

- Assisted in researching methods to scrape the recipe website on a schedule

## Ferin Von Reich

- Technologies: Spring Boot, MySQL, Scrapy,
- Worked on backend queries and logic (mysql, springboot) for most features including login, get recipes, enter recipes, etc
  - interesting features include spell checking user input and using parameterized inputs to prevent sql injection.
- Worked on json to database parsing and insertion with python
- Implemented integration of springboot and webscraping using java process builders and springboot scheduler
- Team scribe in meetings and wrote the majority of milestones
- Note: worked locally multiple times

The screenshot displays a GitHub commit history for the user 'FerntheFierm2'. The interface is dark-themed. At the top, a dropdown menu shows 'main'. Below it, a section titled 'Commits on Nov 30, 2021' lists five commits. Each commit entry includes a description, the user's profile picture and name, the time since the commit, a copy icon, a commit hash, and a compare icon. The commits are: 'added recipes.json' (2 hours ago, hash 8b5e2ad), 'Merge branch 'main' of github.com:CU-CSCI-3308-Fall-2021/CSCI-3308-Fa...' (2 hours ago, hash 7f41be3), 'scrapy integration' (2 hours ago, hash d4b2949), 'scraping in springboot' (2 hours ago, hash aff6f59), and another merge commit (13 hours ago, hash 3b92caa). Below this, a section for 'Nov 29, 2021' shows five more commits: 'Update README.md' (14 hours ago, hash 2a9d5db, marked 'Verified'), 'spell check speed up' (14 hours ago, hash 069dfd7), 'java version of spellcheck' (14 hours ago, hash bbb834c), 'cleaned up docs and fixed paths, spring-scrapy integration' (yesterday, hash f1f978e), and 'test integration between springboot and scraper - working' (yesterday, hash 4828bc3). At the bottom, another section for 'Nov 29, 2021' shows three commits: 'housekeeping' (yesterday, hash daaea31), 'fixed java call finally, no copies in db' (yesterday, hash b91bec2), and 'fixed java call to python issue' (yesterday, hash dbf5034).

Commit Message	User	Time	Hash
added recipes.json	FerntheFierm2	2 hours ago	8b5e2ad
Merge branch 'main' of github.com:CU-CSCI-3308-Fall-2021/CSCI-3308-Fa...	FerntheFierm2	2 hours ago	7f41be3
scrapy integration	FerntheFierm2	2 hours ago	d4b2949
scraping in springboot	FerntheFierm2	2 hours ago	aff6f59
Merge branch 'main' of github.com:CU-CSCI-3308-Fall-2021/CSCI-3308-Fa...	FerntheFierm2	13 hours ago	3b92caa
Update README.md	FerntheFierm2	14 hours ago	2a9d5db
spell check speed up	FerntheFierm2	14 hours ago	069dfd7
java version of spellcheck	FerntheFierm2	14 hours ago	bbb834c
cleaned up docs and fixed paths, spring-scrapy integration	FerntheFierm2	yesterday	f1f978e
test integration between springboot and scraper - working	FerntheFierm2	yesterday	4828bc3
housekeeping	FerntheFierm2	yesterday	daaea31
fixed java call finally, no copies in db	FerntheFierm2	yesterday	b91bec2
fixed java call to python issue	FerntheFierm2	yesterday	dbf5034

Commits on Nov 18, 2021

- adding milestone 6  
FerntheFierm2 committed 12 days ago [943ae9e](#)

Commits on Nov 11, 2021

- Merge branch 'main' of github.com:CU-CSCI-3308-Fall-2021/CSCI-3308-Fa...  
FerntheFierm2 committed 19 days ago [07ea59a](#)
- preventing mysql row duplication on scrape  
FerntheFierm2 committed 19 days ago [8dd7bfb](#)
- Merge branch 'main' of github.com:CU-CSCI-3308-Fall-2021/CSCI-3308-Fa...  
FerntheFierm2 committed 19 days ago [6bc9f23](#)
- random  
FerntheFierm2 committed 19 days ago [2f7125d](#)
- Merge pull request #8 from CU-CSCI-3308-Fall-2021/scraping  
FerntheFierm2 committed 19 days ago [3b20186](#) Verified

Commits on Nov 9, 2021

- Update README.md  
FerntheFierm2 committed 22 days ago [338e5c8](#) Verified

Commits on Nov 8, 2021

- milestone 5  
FerntheFierm2 committed 22 days ago [b08edd9](#)
- updating query work  
FerntheFierm2 committed 22 days ago [f0ef48d](#)
- updated database creation script  
FerntheFierm2 committed 22 days ago [6c6c5e2](#)

Commits on Nov 5, 2021

- Update queryingResearch.txt  
FerntheFierm2 committed 26 days ago [8a4ed41](#) Verified
- Update queryingResearch.txt  
FerntheFierm2 committed 26 days ago [6184f8a](#) Verified

Commits on Oct 29, 2021

- fixed milestone 4  
FerntheFierm2 committed on Oct 29 [15f78d6](#)
- milestone and log  
FerntheFierm2 committed on Oct 29 [cde4bda](#)
- adding my research  
FerntheFierm2 committed on Oct 29 [39db949](#)
- rm extra file  
FerntheFierm2 committed on Oct 29 [c553081](#)
- adding test data  
FerntheFierm2 committed on Oct 29 [e408174](#)

## Ian McKibben

- Did front end development
- Did back end development
- Created logic which takes in user input from html, parses it, then passes to Spring Boot to retrieve recipes
- Created back end logic to return recipes, as well as handle creation and logging in of users


- Worked on database creation script
- Set up hosting on Firebase
- Technologies: Angular, Spring Boot, MySQL, Firebase
- Contributed to get recipe, login user, register user, display recipes

Commits: **NOTE: Meeperbunny and IanMckibb are both me, I forget to switch accounts, and a lot of commits are in deleted branches for feature development, but the merges should contain all the relevant changes**

Merge branch 'main' of https://github.com/CU-CSCI-3308-Fall-2021/CSCI-3308-Fall-2021-recipe_query	366deee	<>
Meeperbunny committed yesterday		
Basic Done	3f83a6a	<>
Meeperbunny committed yesterday		
Merge branch 'main' of https://github.com/CU-CSCI-3308-Fall-2021/CSCI-3308-Fall-2021-recipe_query	8587814	<>
Meeperbunny committed yesterday		
Cleaned up featured	871dd49	<>
Meeperbunny committed yesterday		
Cleaned homepage	fc1ffd9	<>
Meeperbunny committed yesterday		
Merge branch 'main' of https://github.com/CU-CSCI-3308-Fall-2021/CSCI-3308-Fall-2021-recipe_query	379336c	<>
Meeperbunny committed yesterday		
Pushing other changes	638151f	<>
Meeperbunny committed yesterday		
T	fb98cd7	<>
Meeperbunny committed 12 days ago		
Changed json and user models to fit	c64fc39	<>
Meeperbunny committed 13 days ago		
Display working	62d1957	<>
Meeperbunny committed 14 days ago		
Commits on Nov 12, 2021		
Reverse query working	fedcd33	<>
Meeperbunny committed 18 days ago		
Commits on Nov 11, 2021		
Created recipe and ingredient model	a0fc550	<>
Meeperbunny committed 19 days ago		
Did stuff	240d5f8	<>
Meeperbunny committed 20 days ago		
Merge pull request #5 from CU-CSCI-3308-Fall-2021/recipe_query	Verified 3fea356	<>
IanMckibb committed 20 days ago		
Merge branch 'main' into recipe_query	Verified 1802a38	<>
IanMckibb committed 20 days ago		
Merged	5f3ff0e	<>
Meeperbunny committed 20 days ago		
Merged	6494a27	<>
Meeperbunny committed 20 days ago		
Commits on Nov 9, 2021		
Finished add recipes feature without login functionality	a632cf1	<>
Meeperbunny committed 21 days ago		



Attempting to change body structure of IngredientObject


 Meeperbunny committed 22 days ago



ea7e203



NOT FINISHED


 Meeperbunny committed on Oct 29



75ac1fd



Merge branch 'feature-new-app'


 Meeperbunny committed on Oct 27



747d619



Updating


 Meeperbunny committed on Oct 25



a303597



Updating

 Meeperbunny committed on Oct 25




a303597



Commits on Oct 15, 2021

Basic working now


 Meeperbunny committed on Oct 15



a3a5f6a



Login works


 Meeperbunny committed on Oct 15



8a05cf0



Working now

 Meeperbunny committed on Oct 15




d6dd9c7



Commits on Oct 14, 2021

Added new app


 Meeperbunny committed on Oct 14



58dc109



Fixed typo


 Meeperbunny committed on Oct 14



1061db7



[Added requests, just need url link and call names to finish](#)


 Meeperbunny committed on Oct 10



122fbec



Updated login, register and home, restructured navbar and added routing


 Meeperbunny committed on Oct 10



c1e3c1a



[Merge pull request #1 from CU-CSCI-3308-Fall-2021/ian/PR-demo](#) ...

 IanMckibb committed on Oct 4


Verified



21297a2



Updated app.component.html


 Meeperbunny committed on Oct 4



ffb2ad6



Merge branch 'main' of <https://github.com/CU-CSCI-3308-Fall-2021/CSCI...> ...


 Meeperbunny committed on Oct 4



496233c



Created register, login, home components


 Meeperbunny committed on Oct 4



44b1982



Merge branch 'main' of <https://github.com/CU-CSCI-3308-Fall-2021/CSCI...> ...


 Meeperbunny committed on Sep 27



ad2e8b5



Created angular project


 Meeperbunny committed on Sep 27



c0af673



Fixed typo

 Meeperbunny committed on Oct 14



1061db7

