

Title: TransitBlu

Who: Jonathan Goins, Kyle Ma, Owen Helfer, Rafael Neves, Maxwell saldi

Project Description: A mobile application that will be created to track buses in the upper Colorado area. Users will be able to view bus lines in their area and also select to get routes from their source to their destination. There will be estimates for on-time arrivals for each line. This way people will be able to plan their trip themselves based on-time arrivals at each spot. People will be able to favorite lines they regularly ride in order to catch them and see often changing times. They will also be able to favorite trips based on days (for school and work schedules) to be able to have a trip pulled up after inputting their routes once. Since many people in upper Colorado (especially students) rely heavily on public transportation, users will be better able to plan their trips with the TransitBlu app. The function of saving favorite routes, especially since people run on weekly schedules, will be hugely important. Many people are also willing to change their own schedules to fit the buses which we will account for (in displaying all bus times).

Project Tracker:

https://csci-3308-fall21-017-03.atlassian.net/jira/software/projects/Y17/boards/1/roadmap?share_d=&atlOrigin=eyJpIjoiYWVjM2YyYTMxMzgZNDU3NmIwNjk3MWY1N2QxZjQxODYiLCJwIjoiJ9

Video:

<https://www.awesomescreenshot.com/video/6211848?key=3b24318c30bd58f6d950b7275d09b642>

VCS: <https://github.com/CU-CSCI-3308-Fall-2021/CSCI-3308-Fall21-017-03>

Contributions

- **Jon G.**
 - - Worked on user.html but never integrated it with the backend. Worked on the architecture design and the front end design. Helped with the front end side of the login page and briefly on integration.

```
Last login: Mon Nov 29 21:45:13 on ttys001

The default interactive shell is now zsh.
To update your account to use zsh, please run `chsh -s /bin/zsh`.
For more details, please visit https://support.apple.com/kb/HT208050.
Jonathans-MacBook-Pro:CSCI-3308-Fall21-017-03 iiicemane$ git log --pretty=format:"%h - %an, %ar : %s" --author goinsj99
Jonathans-MacBook-Pro:CSCI-3308-Fall21-017-03 iiicemane$ git log --pretty=format:"%h - %an, %ar : %s" --author goinsj99
1d8f50e - goinsj99, 9 hours ago : Update jon_sub1.txt
5dae721 - goinsj99, 11 days ago : Password Chng modal
d7e881d - goinsj99, 11 days ago : Login good
29aa36b - goinsj99, 11 days ago : validate.js reference
f093268 - goinsj99, 3 weeks ago : rough draft of user settings page
a798d76 - goinsj99, 4 weeks ago : added designs
e403d90 - goinsj99, 8 weeks ago : added submissions
Jonathans-MacBook-Pro:CSCI-3308-Fall21-017-03 iiicemane$
```

- **Owen Helfer**

- Primary developer for database, backend API, API integration, and docker integration. Designed and created the database, and wrote the docker setup file to run the database with nodeJS. Wrote the majority of the app.js file containing the node API and much of the frontend javascript calling these endpoints. Wrote most of the code required to implement the users and feedback features, as well as the favorite routes feature.

```
C:\Users\owenh\CSCI-3308-Fall121-017-03>git log --pretty=format:"%h - %an, %ar : %s" --author OwenHelfer
3707458 - Owen Helfer, 10 days ago : Merge pull request #12 from CU-CSCI-3308-Fall-2021/route.js_overhaul
5ac93ce - Owen Helfer, 10 days ago : Merge branch 'main' into route.js_overhaul
f9353fc - OwenHelfer, 10 days ago : Fixed itgit add .git add .git add .
37670e0 - OwenHelfer, 10 days ago : works until backend breaks
2d84341 - Owen Helfer, 11 days ago : Merge pull request #11 from CU-CSCI-3308-Fall-2021/route.js_overhaul
080272d - OwenHelfer, 11 days ago : fixed button
d3a79a2 - Owen Helfer, 11 days ago : Merge pull request #10 from CU-CSCI-3308-Fall-2021/route.js_overhaul
e5768f0 - OwenHelfer, 11 days ago : kinda broken but whatever
b8f48a3 - OwenHelfer, 11 days ago : fixing I think
7a0ae90 - OwenHelfer, 2 weeks ago : user-specific favorite routes
47925eb - OwenHelfer, 2 weeks ago : better session storage
23da439 - OwenHelfer, 2 weeks ago : Merge branch 'main' of https://github.com/CU-CSCI-3308-Fall-2021/CSCI-3308-Fall121-017-03 into BackendUpdate
15bdcc1 - OwenHelfer, 2 weeks ago : messy session storage
bc673cb - Owen Helfer, 2 weeks ago : Merge pull request #7 from CU-CSCI-3308-Fall-2021/BackendUpdate
13b4473 - OwenHelfer, 2 weeks ago : Added favorite routes endpoint
49d80bf - OwenHelfer, 2 weeks ago : Fixed discrepancy
aa97516 - OwenHelfer, 2 weeks ago : Backend before favRoutes
0983fa9 - Owen Helfer, 2 weeks ago : Merge pull request #6 from CU-CSCI-3308-Fall-2021/BackendUpdate
3044ab1 - OwenHelfer, 2 weeks ago : Fixed conflict with last build
0c5f460 - OwenHelfer, 2 weeks ago : Added update user and (almost complete) feedback endpoints
0c377c59 - OwenHelfer, 2 weeks ago : halfway build
19ed68f - Owen Helfer, 3 weeks ago : Merge pull request #4 from CU-CSCI-3308-Fall-2021/BackendUpdate
e193431 - OwenHelfer, 3 weeks ago : Added new login endpoint and ensured new users are unique
366d952 - OwenHelfer, 4 weeks ago : Added documentation
2c2df93 - Owen Helfer, 4 weeks ago : Merge pull request #3 from CU-CSCI-3308-Fall-2021/BackendUpdate
56d32ff - OwenHelfer, 4 weeks ago : shifted database to postgres
14ceaaaf - Owen Helfer, 7 weeks ago : Merge pull request #2 from CU-CSCI-3308-Fall-2021/BackendUpdate
83b1dcc - OwenHelfer, 7 weeks ago : adding backend word
c83dcc6 - Owen Helfer, 8 weeks ago : Merge pull request #1 from CU-CSCI-3308-Fall-2021/owensBranch
307eae4 - OwenHelfer, 8 weeks ago : pushing research
```

○ C:\Users\owenh\CSCI-3308-Fall121-017-03>

● Kyle Ma

- Set up most of the html and css for our final project. Worked on some of the integration phase, did the final small piece for integration with the login and registration functionality that Owen had already completed. Worked on some of the backend and integration for the favorite routes functionality.

```
kylema@LAPTOP-BHUP9HF0:/mnt/c/Users/kmart/CS/SoftwareDev/CSCI-3308-Fall121-017-03$ git log --pretty=format:"%h - %an, %ar : %s" --author Oleracea
6e949fb - Oleracea, 10 days ago : blank fav working
d9e4df2 - Oleracea, 12 days ago : no double add
470f204 - Oleracea, 12 days ago : does not double add
beac5d0 - Oleracea, 2 weeks ago : route links working
ea5aeaa - Oleracea, 2 weeks ago : getRoute init functional
9d892f6 - Oleracea, 2 weeks ago : getRoute not working
068f0d0 - Oleracea, 2 weeks ago : changed route links
f2ec6bd - Oleracea, 2 weeks ago : changed route links
d3ec370 - Oleracea, 2 weeks ago : changed route links
5be703e - Oleracea, 2 weeks ago : changed login
fe69663 - Oleracea, 2 weeks ago : put routes in place
329975c - Oleracea, 2 weeks ago : add links to fav route
57a8124 - Oleracea, 2 weeks ago : Merge branch 'main' of https://github.com/CU-CSCI-3308-Fall-2021/CSCI-3308-Fall121-017-03 into main
b4c374a - Oleracea, 2 weeks ago : add route to fav
63d2149 - Oleracea, 3 weeks ago : null error on newRoute post
1cb074d - Oleracea, 3 weeks ago : started route adding
3b0dec8 - Oleracea, 3 weeks ago : started route add
71609fa - Oleracea, 3 weeks ago : added login function
151a18f - Oleracea, 3 weeks ago : Merge branch 'main' of https://github.com/CU-CSCI-3308-Fall-2021/CSCI-3308-Fall121-017-03 into main
6d115ae - Oleracea, 3 weeks ago : testing some stuff
66a7225 - Oleracea, 3 weeks ago : final integration start
45feaff - Oleracea, 4 weeks ago : cleaned up navbar
3a63a5d - Oleracea, 4 weeks ago : milestone 4
55df8ec - Oleracea, 4 weeks ago : cleaned code up
580e3ec - Oleracea, 4 weeks ago : Merge branch 'main' of https://github.com/CU-CSCI-3308-Fall-2021/CSCI-3308-Fall121-017-03 into main
e540cf4 - Oleracea, 4 weeks ago : Merge branch 'main' of https://github.com/CU-CSCI-3308-Fall-2021/CSCI-3308-Fall121-017-03 into main
b369e84 - Oleracea, 4 weeks ago : added stuff
359d7d - Kyle Ma, 6 weeks ago : Add files via upload
8a9d96a - Oleracea, 6 weeks ago : Merge branch 'main' of https://github.com/CU-CSCI-3308-Fall-2021/CSCI-3308-Fall121-017-03 into main Adding milestone 3
8aed718 - Oleracea, 6 weeks ago : milestone 3
0f68276 - Oleracea, 7 weeks ago : 10/9 code
7d85cb3 - Oleracea, 7 weeks ago : before test
b136644 - Oleracea, 7 weeks ago : changed login css
34d8ab6 - Oleracea, 7 weeks ago : login screen
7a07cf5 - Oleracea, 7 weeks ago : Merge branch 'main' of https://github.com/CU-CSCI-3308-Fall-2021/CSCI-3308-Fall121-017-03 into main
8b56562 - Oleracea, 7 weeks ago : bootstrap update
2f1ae0a - Oleracea, 8 weeks ago : Merge branch 'main' of https://github.com/CU-CSCI-3308-Fall-2021/CSCI-3308-Fall121-017-03 into main
fb484ea - Oleracea, 8 weeks ago : website start
1339aaf - Oleracea, 8 weeks ago : Kyle contributions
6b1a7bd - Oleracea, 2 months ago : added architecture
486e8f8 - Oleracea, 2 months ago : Added architecture
```

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- Rafael Neves
 - Main developer of Google Maps API application. Initial setup of the api calls, map display and bus routing system. Also worked on the customization of walking speed for the directions display. Finalized some UI details and bug fixes.

```
b92a947 - RafaGandelman, 9 weeks ago : Some API tetsing
...skipping...
1a28198 - RafaGandelman, 11 days ago : Show directions
3f960e1 - RafaGandelman, 11 days ago : user log-out
2e45b49 - RafaGandelman, 11 days ago : fav route
c59de07 - RafaGandelman, 11 days ago : routes
0cc7dbe - RafaGandelman, 11 days ago : art
675b9ab - RafaGandelman, 11 days ago : fall cleaning
7c9a07d - RafaGandelman, 11 days ago : fall cleaning
49edaa4 - RafaGandelman, 11 days ago : new version
b305053 - RafaGandelman, 12 days ago : html clean up and finished panel display
611c8b9 - RafaGandelman, 12 days ago : html clean up and finished panel display
aab463c - RafaGandelman, 12 days ago : make route and show direction buttons new together
a734f3b - RafaGandelman, 13 days ago : removed favoritorite routes from login and report task bar
0fbcd94 - RafaGandelman, 13 days ago : Merge branch 'main' of https://github.com/CU-CSCI-3308-Fall-2021/CSCI-3308-Fall21-017-03
c5b8be4 - RafaGandelman, 13 days ago : removed favoritorite routes from login and report task bar
4c656b1 - RafaGandelman, 2 weeks ago : panel can be modified
f753f05 - RafaGandelman, 2 weeks ago : Merge branch 'main' of https://github.com/CU-CSCI-3308-Fall-2021/CSCI-3308-Fall21-017-03
b11aa24 - RafaGandelman, 2 weeks ago : panel can be modified
286313b - RafaGandelman, 2 weeks ago : jstcache catch
21f331a - RafaGandelman, 2 weeks ago : navbar update
1265f62 - RafaGandelman, 2 weeks ago : autocomplete and map panel functionalities
6d46682 - RafaGandelman, 3 weeks ago : autocomplete and map panel functionalities
716ab8b - RafaGandelman, 5 weeks ago : change to the favorite address
4246b85 - RafaGandelman, 7 weeks ago : index.html working map
8b67020 - RafaGandelman, 7 weeks ago : index.html with map working
007a0e0 - RafaGandelman, 7 weeks ago : Friday 10/08
fcd3b6 - RafaGandelman, 8 weeks ago : api testing finding location - Rafael
ea95958 - RafaGandelman, 8 weeks ago : api testing finding location - Rafael
0d9a698 - RafaGandelman, 8 weeks ago : api testing finding location - Rafael
9387909 - RafaGandelman, 8 weeks ago : api testing finding location - Rafael
b92a947 - RafaGandelman, 9 weeks ago : Some API tetsing
dd6ea72 - RafaGandelman, 9 weeks ago : Added individual submissions
```

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```
PS C:\Rafael\CSCI\CSCI_3308\CSCI-3308-Fall21-017-03> git log --pretty=format:"%h - %an, %ar : %s" --author rafagandelman
1a28198 - RafaGandelman, 11 days ago : Show directions
3f960e1 - RafaGandelman, 11 days ago : user log-out
2e45b49 - RafaGandelman, 11 days ago : fav route
c59de07 - RafaGandelman, 11 days ago : routes
0cc7dbe - RafaGandelman, 11 days ago : art
675b9ab - RafaGandelman, 11 days ago : fall cleaning
7c9a07d - RafaGandelman, 11 days ago : fall cleaning
49edaa4 - RafaGandelman, 11 days ago : new version
b305053 - RafaGandelman, 12 days ago : html clean up and finished panel display
611c8b9 - RafaGandelman, 12 days ago : html clean up and finished panel display
aab463c - RafaGandelman, 12 days ago : make route and show direction buttons new together
a734f3b - RafaGandelman, 13 days ago : removed favoritorite routes from login and report task bar
0fbcd94 - RafaGandelman, 13 days ago : Merge branch 'main' of https://github.com/CU-CSCI-3308-Fall-2021/CSCI-3308-Fall21-017-03
c5b8be4 - RafaGandelman, 13 days ago : removed favoritorite routes from login and report task bar
4c656b1 - RafaGandelman, 2 weeks ago : panel can be modified
f753f05 - RafaGandelman, 2 weeks ago : Merge branch 'main' of https://github.com/CU-CSCI-3308-Fall-2021/CSCI-3308-Fall21-017-03
...skipping...
1a28198 - RafaGandelman, 11 days ago : Show directions
3f960e1 - RafaGandelman, 11 days ago : user log-out
2e45b49 - RafaGandelman, 11 days ago : fav route
c59de07 - RafaGandelman, 11 days ago : routes
0cc7dbe - RafaGandelman, 11 days ago : art
675b9ab - RafaGandelman, 11 days ago : fall cleaning
7c9a07d - RafaGandelman, 11 days ago : fall cleaning
49edaa4 - RafaGandelman, 11 days ago : new version
b305053 - RafaGandelman, 12 days ago : html clean up and finished panel display
611c8b9 - RafaGandelman, 12 days ago : html clean up and finished panel display
aab463c - RafaGandelman, 12 days ago : make route and show direction buttons new together
a734f3b - RafaGandelman, 13 days ago : removed favoritorite routes from login and report task bar
0fbcd94 - RafaGandelman, 13 days ago : Merge branch 'main' of https://github.com/CU-CSCI-3308-Fall-2021/CSCI-3308-Fall21-017-03
c5b8be4 - RafaGandelman, 13 days ago : removed favoritorite routes from login and report task bar
4c656b1 - RafaGandelman, 2 weeks ago : panel can be modified
f753f05 - RafaGandelman, 2 weeks ago : Merge branch 'main' of https://github.com/CU-CSCI-3308-Fall-2021/CSCI-3308-Fall21-017-03
b11aa24 - RafaGandelman, 2 weeks ago : panel can be modified
286313b - RafaGandelman, 2 weeks ago : jstcache catch
21f331a - RafaGandelman, 2 weeks ago : navbar update
1265f62 - RafaGandelman, 2 weeks ago : autocomplete and map panel functionalities
6d46682 - RafaGandelman, 3 weeks ago : autocomplete and map panel functionalities
716ab8b - RafaGandelman, 5 weeks ago : change to the favorite address
4246b85 - RafaGandelman, 7 weeks ago : index.html working map
8b67020 - RafaGandelman, 7 weeks ago : index.html with map working
007a0e0 - RafaGandelman, 7 weeks ago : Friday 10/08
fcd3b6 - RafaGandelman, 8 weeks ago : api testing finding location - Rafael
ea95958 - RafaGandelman, 8 weeks ago : api testing finding location - Rafael
0d9a698 - RafaGandelman, 8 weeks ago : api testing finding location - Rafael
9387909 - RafaGandelman, 8 weeks ago : api testing finding location - Rafael
b92a947 - RafaGandelman, 9 weeks ago : Some API tetsing
```

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- Max saldi

- Secondary developer of Google maps API application allowed the program to find the users location. Worked heavily on finding travel time with walking speed and converting it to desired form. Helped debug and fixed some graphical issues.

```
C:\Users\maxsa\Software development\CSCI-3308-Fall21-017-03>git log --pretty=format:"%h - %an, %ar : %s" --author maxsaldi0923
0953576 - maxsaldi0923, 2 weeks ago : dropdown better
472e007 - maxsaldi0923, 2 weeks ago : time conversion and map clearing
4759bec - maxsaldi0923, 2 weeks ago : m to km
b192f52 - maxsaldi0923, 2 weeks ago : time conversion and map clearing
eeafea4 - maxsaldi0923, 2 weeks ago : logo
1778baf - maxsaldi0923, 2 weeks ago : Merge branch 'main' of https://github.com/CU-CSCI-3308-Fall-2021/CSCI-3308-Fall21-017-03
fbd5edc - maxsaldi0923, 2 weeks ago : Merge branch 'main' of https://github.com/CU-CSCI-3308-Fall-2021/CSCI-3308-Fall21-017-03
c3c4313 - maxsaldi0923, 2 weeks ago : Merge branch 'main' of https://github.com/CU-CSCI-3308-Fall-2021/CSCI-3308-Fall21-017-03
c3e7ecc - maxsaldi0923, 3 weeks ago : Merge branch 'main' of https://github.com/CU-CSCI-3308-Fall-2021/CSCI-3308-Fall21-017-03
d0c005d - maxsaldi0923, 4 weeks ago : optimized code
1aad2cb - maxsaldi0923, 4 weeks ago : adding walking speed Math to find all needed API out puts and creating a favorite routes list
b110765 - maxsaldi0923, 4 weeks ago : Update maxSubmissions.txt
43d9dde - maxsaldi0923, 7 weeks ago : Merge branch 'main' of https://github.com/CU-CSCI-3308-Fall-2021/CSCI-3308-Fall21-017-03
f176519 - maxsaldi0923, 7 weeks ago : Merge branch 'main' of https://github.com/CU-CSCI-3308-Fall-2021/CSCI-3308-Fall21-017-03
e368aa2 - maxsaldi0923, 7 weeks ago : Merge branch 'main' of https://github.com/CU-CSCI-3308-Fall-2021/CSCI-3308-Fall21-017-03
cfabe34 - maxsaldi0923, 8 weeks ago : dyanmic routes and starting postions(has a bug with starting postion)
77d7ca6 - maxsaldi0923, 8 weeks ago : adding dyanamic routes and starting from your location(not acurete yet)
233077c - maxsaldi0923, 8 weeks ago : no
4b0e6a2 - maxsaldi0923, 8 weeks ago : dynamic routes, starting from cur location
f25d9bd - maxsaldi0923, 8 weeks ago : dynamic routes - ms 2
1437b38 - maxsaldi0923, 8 weeks ago : Adding the ability to dynamically enter
:...skipping...
0953576 - maxsaldi0923, 2 weeks ago : dropdown better
472e007 - maxsaldi0923, 2 weeks ago : time conversion and map clearing
4759bec - maxsaldi0923, 2 weeks ago : m to km
b192f52 - maxsaldi0923, 2 weeks ago : time conversion and map clearing
eeafea4 - maxsaldi0923, 2 weeks ago : logo
1778baf - maxsaldi0923, 2 weeks ago : Merge branch 'main' of https://github.com/CU-CSCI-3308-Fall-2021/CSCI-3308-Fall21-017-03
fbd5edc - maxsaldi0923, 2 weeks ago : Merge branch 'main' of https://github.com/CU-CSCI-3308-Fall-2021/CSCI-3308-Fall21-017-03
c3c4313 - maxsaldi0923, 2 weeks ago : Merge branch 'main' of https://github.com/CU-CSCI-3308-Fall-2021/CSCI-3308-Fall21-017-03
c3e7ecc - maxsaldi0923, 3 weeks ago : Merge branch 'main' of https://github.com/CU-CSCI-3308-Fall-2021/CSCI-3308-Fall21-017-03
d0c005d - maxsaldi0923, 4 weeks ago : optimized code
1aad2cb - maxsaldi0923, 4 weeks ago : adding walking speed Math to find all needed API out puts and creating a favorite routes list
b110765 - maxsaldi0923, 4 weeks ago : Update maxSubmissions.txt
43d9dde - maxsaldi0923, 7 weeks ago : Merge branch 'main' of https://github.com/CU-CSCI-3308-Fall-2021/CSCI-3308-Fall21-017-03
f176519 - maxsaldi0923, 7 weeks ago : Merge branch 'main' of https://github.com/CU-CSCI-3308-Fall-2021/CSCI-3308-Fall21-017-03
e368aa2 - maxsaldi0923, 7 weeks ago : Merge branch 'main' of https://github.com/CU-CSCI-3308-Fall-2021/CSCI-3308-Fall21-017-03
cfabe34 - maxsaldi0923, 8 weeks ago : dyanmic routes and starting postions(has a bug with starting postion)
77d7ca6 - maxsaldi0923, 8 weeks ago : adding dyanamic routes and starting from your location(not acurete yet)
233077c - maxsaldi0923, 8 weeks ago : no
4b0e6a2 - maxsaldi0923, 8 weeks ago : dynamic routes, starting from cur location
f25d9bd - maxsaldi0923, 8 weeks ago : dynamic routes - ms 2
1437b38 - maxsaldi0923, 8 weeks ago : Adding the ability to dynamically enter
873861e - maxsaldi0923, 8 weeks ago : testing changable routes and starting from user location - Max
e08e605 - maxsaldi0923, 8 weeks ago : Merge branch 'main' of https://github.com/CU-CSCI-3308-Fall-2021/CSCI-3308-Fall21-017-03
91061d8 - maxsaldi0923, 8 weeks ago : Merge branch 'main' of https://github.com/CU-CSCI-3308-Fall-2021/CSCI-3308-Fall21-017-03
1ba987d - maxsaldi0923, 8 weeks ago : Merge branch 'main' of https://github.com/CU-CSCI-3308-Fall-2021/CSCI-3308-Fall21-017-03
79894f2 - maxsaldi0923, 8 weeks ago : Add files via upload
cd91683 - maxsaldi0923, 8 weeks ago : milestone2
729b28c - maxsaldi0923, 9 weeks ago : adding api documentation links and flow chart
6b42e37 - maxsaldi0923, 9 weeks ago : contributions
430a3a8 - maxsaldi0923, 2 months ago : Please enter the commit message for your changes. Lines starting with '#' will be ignored, and an empty message aborts the commit.
203de0f - maxsaldi0923, 2 months ago : Create Meeting times.txt
```

Deployment:

Deployed on local host. To deploy, just copy all files from github and switch to “Final” directory “./CSCI-3308-Fall21-017-03/Project Code Compoents/Final”. From there, run “docker-compose up” and move to localhost:3000 in a browser window.