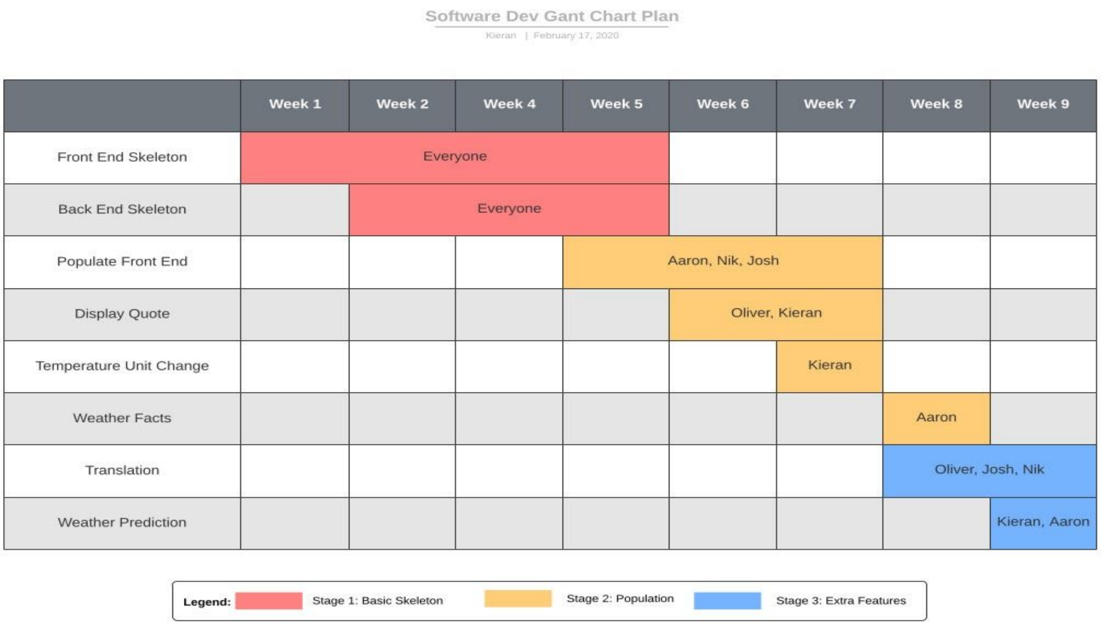
Title: Boulder Future Weather

Who: Nik Suyko, Aaron Mankel, Kieran Zylstra, Oliver He, JunZhen Wang

Project Description:

The application consists of a weather mining web application that makes predictions about what the next day of weather is. It uses a REST API to get weather data in a JSON format and then it stores this data in a POSTGRESQL database for use by the frontend. We used Node js as a middle layer HTML/Javascript as a front end, and postgresql as a backend. We also implemented a quote feature where there are seven inspirational quotes (one for each day of the week) that get displayed with our weather data on the website. This feature uses the day of the week to index itself and therefore only every gets one quote for one day. In the database there are two other main tables, hour_weather and daily_weather, which serve the purpose of storing our hour weather and daily weather respectively. The hour_weather relation has a foreign key to the daily_weather table with the day_id column so that it is easy access for which hour belongs to which day. We have several pages on the frontend that are the frontpage, which displays the hour weather for the day and a statistics page that displays more detailed information about the current day's weather. Along with this there is a past weather page that displays the past 5 days of weather (we get this information from the postgres database).

Project Tracker:



Software Dev Gant Chart Plan

Kieran | February 17, 2020

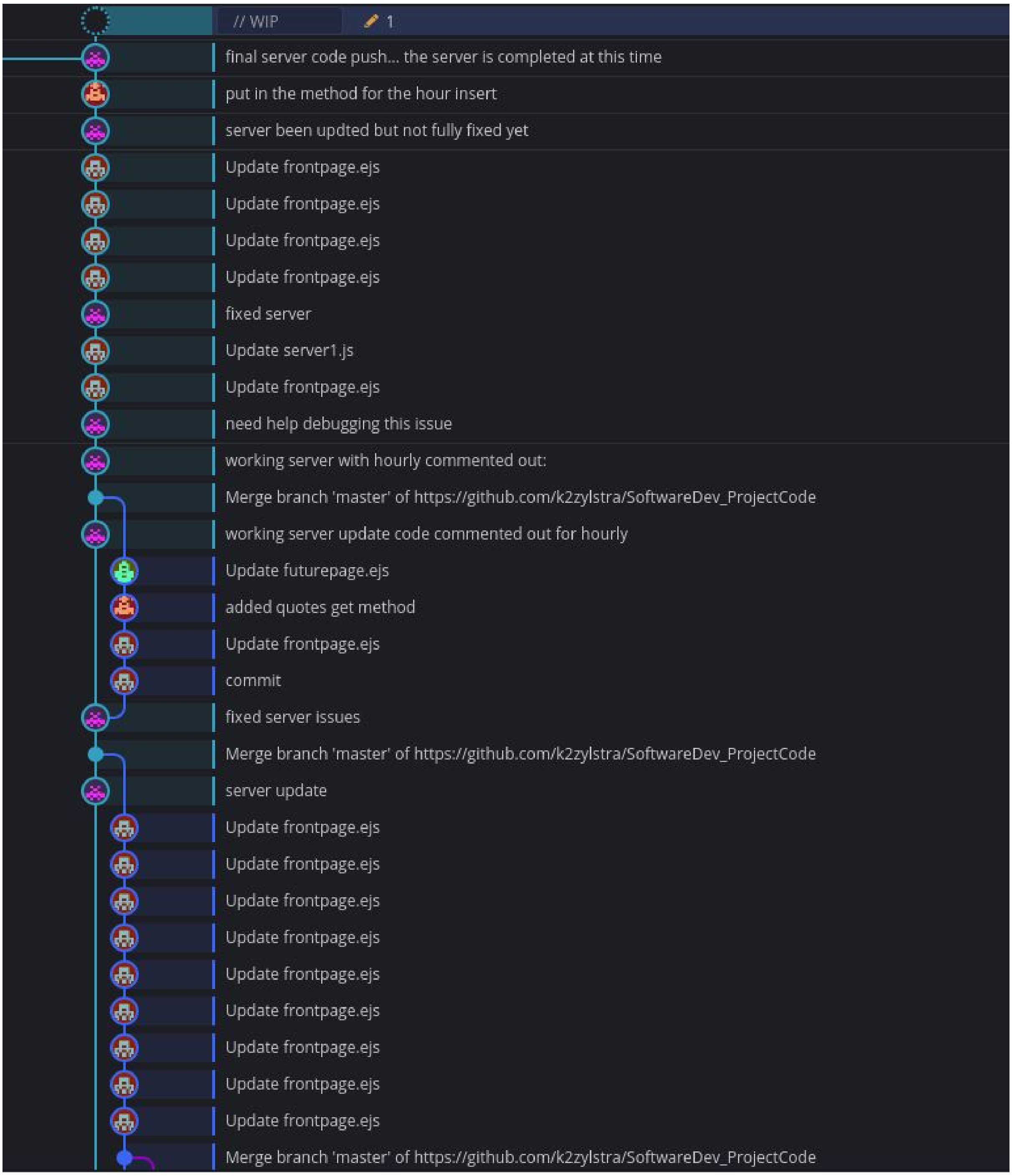
	Week 1	Week 2	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9
Front End Skeleton	Everyone							
Back End Skeleton		Everyone						
Populate Front End				Aaron, Nik, Josh				
Display Quote					Oliver, Kieran			
Temperature Unit Change						Kieran		
Weather Facts							Aaron	
Translation							Oliver, Josh, Nik	
Weather Prediction								Kieran, Aaron

Legend: 🟥 Stage 1: Basic Skeleton 🟨 Stage 2: Population 🟦 Stage 3: Extra Features

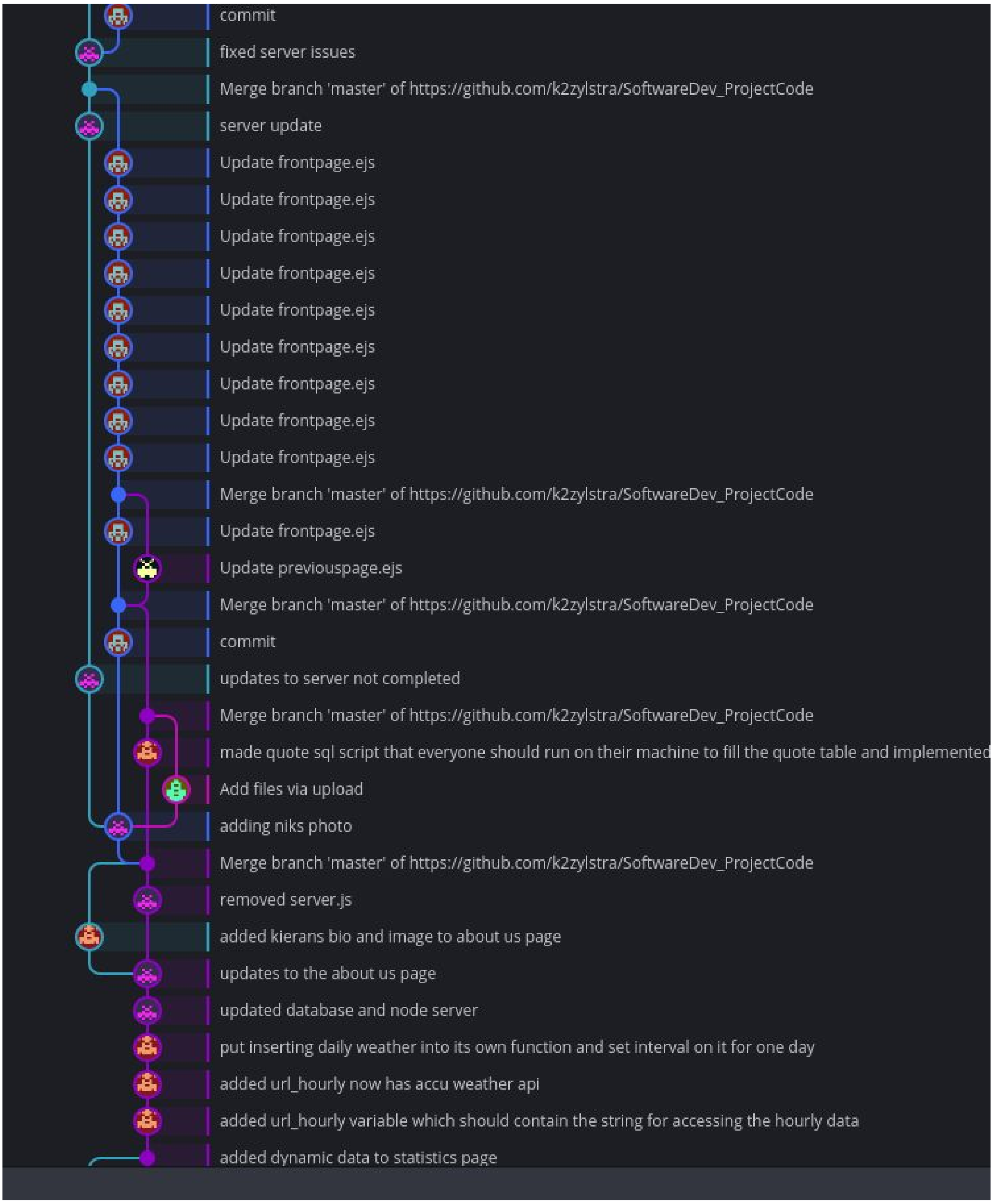
Video: demo.mp4 file in the github

VCS: https://github.com/k2zylstra/SoftwareDev_ProjectCode.git

Contributions:



final server code push... the server is completed at this time
put in the method for the hour insert
server been updted but not fully fixed yet
Update frontpage.ejs
Update frontpage.ejs
Update frontpage.ejs
Update frontpage.ejs
fixed server
Update server1.js
Update frontpage.ejs
need help debugging this issue
working server with hourly commented out:
Merge branch 'master' of https://github.com/k2zylstra/SoftwareDev_ProjectCode
working server update code commented out for hourly
Update futurepage.ejs
added quotes get method
Update frontpage.ejs
commit
fixed server issues
Merge branch 'master' of https://github.com/k2zylstra/SoftwareDev_ProjectCode
server update
Update frontpage.ejs
Update frontpage.ejs
Update frontpage.ejs
Update frontpage.ejs
Update frontpage.ejs
Update frontpage.ejs
Update frontpage.ejs
Update frontpage.ejs
Update frontpage.ejs
Merge branch 'master' of https://github.com/k2zylstra/SoftwareDev_ProjectCode



commit

fixed server issues

Merge branch 'master' of https://github.com/k2zylstra/SoftwareDev_ProjectCode

server update

Update frontpage.ejs

Update frontpage.ejs

Update frontpage.ejs

Update frontpage.ejs

Update frontpage.ejs

Update frontpage.ejs

Update frontpage.ejs

Update frontpage.ejs

Update frontpage.ejs

Merge branch 'master' of https://github.com/k2zylstra/SoftwareDev_ProjectCode

Update frontpage.ejs

Update previouspage.ejs

Merge branch 'master' of https://github.com/k2zylstra/SoftwareDev_ProjectCode

commit

updates to server not completed

Merge branch 'master' of https://github.com/k2zylstra/SoftwareDev_ProjectCode

made quote sql script that everyone should run on their machine to fill the quote table and implemented

Add files via upload

adding niks photo

Merge branch 'master' of https://github.com/k2zylstra/SoftwareDev_ProjectCode

removed server.js

added kierans bio and image to about us page

updates to the about us page

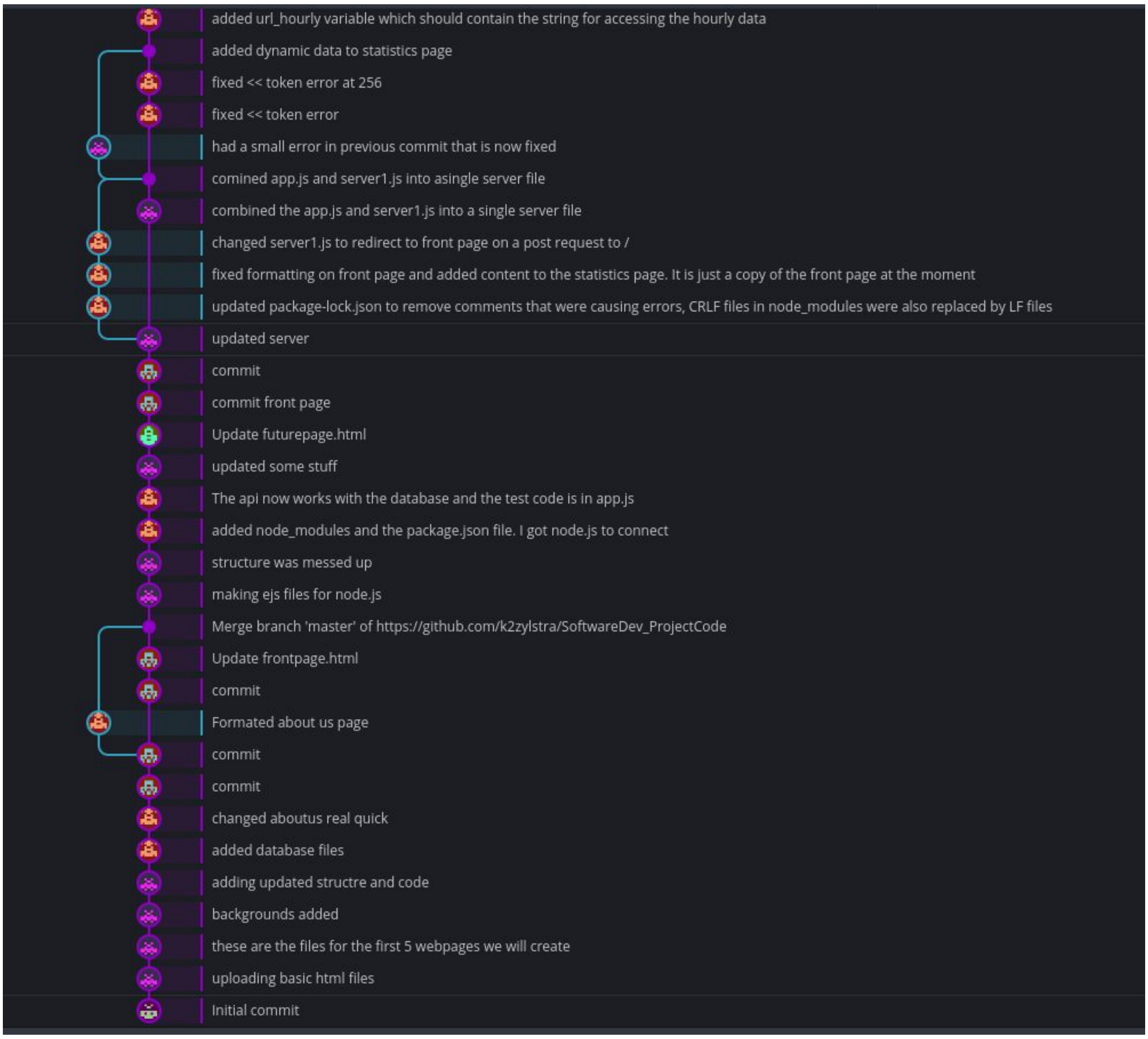
updated database and node server

put inserting daily weather into its own function and set interval on it for one day

added url_hourly now has accu weather api

added url_hourly variable which should contain the string for accessing the hourly data

added dynamic data to statistics page



added url_hourly variable which should contain the string for accessing the hourly data
added dynamic data to statistics page
fixed << token error at 256
fixed << token error
had a small error in previous commit that is now fixed
comined app.js and server1.js into asingle server file
combined the app.js and server1.js into a single server file
changed server1.js to redirect to front page on a post request to /
fixed formatting on front page and added content to the statistics page. It is just a copy of the front page at the moment
updated package-lock.json to remove comments that were causing errors, CRLF files in node_modules were also replaced by LF files
updated server
commit
commit front page
Update futurepage.html
updated some stuff
The api now works with the database and the test code is in app.js
added node_modules and the package.json file. I got node.js to connect
structure was messed up
making ejs files for node.js
Merge branch 'master' of https://github.com/k2zylstra/SoftwareDev_ProjectCode
Update frontpage.html
commit
Formated about us page
commit
commit
changed aboutus real quick
added database files
adding updated structre and code
backgrounds added
these are the files for the first 5 webpages we will create
uploading basic html files
Initial commit

: Nik Suyko

Oliver He

JunZhen Wang

Kieran Zylstra

Aaron Mankel

Deployment:
To run the server:

1. Download the repo
2. Make sure all required node packages are installed
    a. These can be found in the first few lines of the server1.js file
3. open postgers shell
4. run Database/sproc_create_tables.sql in the shell
5. in the server.js file change the constr variable to include your postgres password
6. in the server.js file change the db config variable to include your postgres password
7. in the git directory in a terminal run node server1.js
8. point your browser at localhost:3000/frontpage