

Week 5 – Team Report

09/20/2020

Blitz

<https://github.com/Suchwinder/Blitz>

Work done this past week (9.14 - 9.21):

Team:

- ☒ Meet up with teammates and professor
- ☒ Discuss MVP
- ☒ Agree on stack, languages & packages
- ☒ Make presentation and present presentation
- ☒ Agree on workflow standards
- ☒ Meet and plan for next week

For next week (9.21 - 9.28):

Suchwinder:

- ☐ Study React Hooks
- ☐ Review Flask backend
- ☐ Plan database scheme with David
- ☐ Work with team to design UI using wireframes

David:

- ☐ Study Flask backend
- ☐ Review virtual environments
- ☐ Plan database scheme with Suchwinder

Kent:

- ☐ Study React
- ☐ Study Flask
- ☒ Draw out web design

Rohan:

- ☐ Review Flask
- ☐ Collab with Kent on web design
- ☐ Study React Hooks
- ☐ Study React Components

Week 6 - Team Report

9/28/20

Work done this past week (9.21 - 9.28):

Suchwinder:

- ☒ Study React Hooks
- ☒ Review Flask backend
- ☐ Study web sockets
- ☒ Plan database scheme with David

David:

- ☒ Study and understand Flask backend
- ☒ Review virtual environments
- ☒ Plan database scheme with Suchwinder

Kent:

- ☒ Study React
- ☒ Study Flask
- ☒ Draw out web design

Rohan:

- ☒ Review Flask
- ☒ Collab with Kent on web design
- ☒ Study React Hooks
- ☒ Study React Components

Added Mid Week:

- ☒ ERD, Wireframe

For next week (9.28 - 10.5):

Team:

- ☐ Set up codebase and push to Github
- ☐ Ensure that codebase has proper communication between front-end and back-end
- ☐ Ensure everyone's development environment can run codebase

Suchwinder:

- ☐ Build local database tables and relationships
- ☐ Have Flask running and serving React files

David:

- ☐ Support database building and functionality
- ☐ Learn/Experiment with OpenCV & PyTesseract

Kent:

- ☐ Push codebase with flask and create-react-app to repo
- ☐ Create a few of the web pages for functionality and scaling

Rohan:

- ☐ Support Kent with front-end development
- ☐ Ensure Flask can communicate with database^

Week 7 - Team Report

10/4/20

Blitz

<https://github.com/Suchwinder/Blitz>

Work done this past week (9.28 - 10.5):

Team:

- [x] Set up codebase and push to Github

- [rescheduled] Ensure that codebase has proper communication between front-end and back-end

- [x] Ensure everyone's development environment can run codebase

Suchwinder:

- [x] Build local database tables and relationships

- [x] Have Flask running and serving React files

David:

- [x] Support database building and functionality

- [in progress] Learn/Experiment with OpenCV & PyTesseract

Kent:

- [x] Push codebase with flask and create-react-app to repo

- [x] Create a few of the web pages for display and scaling

Rohan:

- [x] Support Kent with front-end development

- [rescheduled] Ensure Flask can communicate with database

For next week (10.5 - 10.12):

Team:

- ☐ Acquire receipts for experimentation

- ☐ Figure out how to test on the phone (deploy?)

Suchwinder:

- ☐ Look into CDN

- ☐ Look into Random Link Generator

- ☐ Create "Create Group endpoint" to test CDN, Link, redirects

- ☐ Populate tables with test samples

David:

- ☐ Work on grayscale and de-noising using OpenCV

- ☐ Test receipts with different image quality on OpenCV pre-processor

- ☐ Experiment with Pytesseract methods with post-processed images

Kent:

- ☐ Work on Bill Splitting page

- [x] Generate receipts for David

- ☐ Experiment with possible designs for the pages

Rohan:

- ☐ Support Kent with Bill Splitting page

- ☐ Make the website UI look presentable

- ☐ Research shareable random link generation system

Week 8 - Team Report

10/11/2020

Blitz

<https://github.com/Suchwinder/Blitz>

Work done this past week (10.5 - 10.12):

Team:

- ☒ Acquire receipts for experimentation
- ☒ Figure out how to test on the phone (deploy?)

Suchwinder:

- ☐ [In Progress] Look into CDN
- ☒ Look into Random Link Generator
- ☐ [In Progress] Create "Create Group endpoint" to test CDN, Link, redirects
- ☐ [Rescheduled] Populate tables with test samples

David:

- ☐ [-] Work on grayscale and de-noising using OpenCV
- ☐ [-] Test receipts with different image quality on OpenCV pre-processor
- ☒ Experiment with Pytesseract methods with post-processed images
- Added Mid-week:
- ☒ Use Pytesseract to get text from images
- ☐ [in progress] Create regex to get information from the OCR results

Kent:

- ☒ Work on Bill Splitting page
- ☒ Generate receipts for David
- ☐ [No longer needed] Experiment with possible designs for the pages

Rohan:

- ☐ [In Progress] Support Kent with Bill Splitting page
- ☒ Make the website UI look presentable
- ☒ Research shareable random link generation system

For next week (10.12-10.19):

Team:

- ☐ Complete individual tasks
- ☐ Discuss what endpoints to create

Suchwinder:

- ☐ CDN fully setup
- ☐ Build Endpoints
- ☐ Testing *optional*

David:

- ☐ Create regex to parse text from image
- ☐ Organize data/information extracted from regex (JSON maybe?)

Kent:

- ☐ Fix CSS for bill splitting page
- ☐ Convert hooks to components for some pages
- ☐ Frontend functionality

Rohan:

- ☐ Support Such with Endpoints
- ☐ Testing

Week 9 - Team Report

10/11/2020

Blitz

<https://github.com/Suchwinder/Blitz>

Work done this past week (10.12 - 10.19):

For next week (10.12-10.19):

Team:

- ☐ Complete individual tasks
- ☒ Discuss what endpoints to create

Suchwinder:

- ☐ [-(account suspended)] CDN fully setup
- ☐ [In Progress] Build Endpoints
- ☐ [postponed] Testing *optional*

David:

- ☒ Create regex to parse text from image
- ☐ Organize data/information extracted from regex (JSON maybe?)

Kent:

- ☒ Fix CSS for bill splitting page
- ☒ Convert hooks to components for some pages
- ☐ [In Progress] Frontend functionality

Rohan:

- ☐ [In progress] Support Such with Endpoints
- ☐ [postponed] Testing

For next week (10.19-10.26):

Team:

- ☐ Complete individual tasks
- ☐ Discuss what endpoints to create

Suchwinder:

- ☐ CDN fully setup
- ☐ Build Endpoints
- ☐ Testing
- ☐ Try Web Sockets Set Up

David:

- ☐ Optimize OCR with cropped/better images
- ☐ Organize data/information extracted from regex (JSON maybe?)

Kent:

- ☐ Update frontend UI
- ☐ Create templates for frontend components (state management and functionality)

Rohan:

- ☒ Support Such with Endpoints
- ☒ Setup Amazon S3
- ☒ Testing

Week 10 - Team Report

10/26/2020

Blitz

<https://github.com/Suchwinder/Blitz>

Work done this past week (10.19 - 10.26):

For this week (10.19-10.26):

Team:

- ☒ Complete individual tasks
- ☒ Discuss what endpoints to create

Suchwinder:

- ☒ S3 fully setup
- ☒ Build Endpoints
- ☐ [In Progress] Testing
- ☐ [-] Try Web Sockets Set Up

David:

- ☒ Optimize OCR with cropped/better images
- ☒ Organize data/information extracted from regex (JSON maybe?)

Kent:

- ☒ Update frontend UI
- ☐ [In Progress] Create templates for frontend components (state management and functionality)

Rohan:

- ☒ Support Such with Endpoints
- ☒ Setup Amazon S3
- ☐ [In Progress] Testing

For next week (10.27-11.2):

Team:

- ☐ Complete individual tasks

Suchwinder:

- ☐ Build Endpoints
- ☐ Write majority of API Documentation

David:

- ☐ Clean up and merge receipt processing with master
- ☐ Build endpoints

Kent:

- ☐ Create templates for frontend components (state management and functionality)

Rohan:

- ☐ Support Kent with Front-end functionality
- ☐ Research/setup web sockets.io

Week 11 - Team Report

11/2/2020

Blitz

<https://github.com/Suchwinder/Blitz>

Work done this past week (10.26-11.2):

Team:

- ☒ Complete individual tasks

Suchwinder:

- ☐ [In Progress] Build Endpoints

- ☐ [In Progress] Write majority of API Documentation

David:

- ☒ Clean up and merge receipt processing with master

- ☐ [In Progress] Build endpoints

Kent:

- ☐ [In Progress] Create templates for frontend components (state management and functionality)

Rohan:

- ☐ [In progress] Support Kent with Front-end functionality

- ☐ [postponed] Research/setup web sockets.io

For this week (11.2-11.9):

Team:

- ☐ Complete individual tasks

Suchwinder:

- ☐ Finish Endpoints

- ☐ Finish API Docs

- ☐ Finish postman collections

David:

- ☐ Finish Endpoints

- ☐ Finish API Docs

- ☐ Price calculation

- ☐ Look into hosting

Kent:

- ☐ Finish frontend state management and ensure connection to endpoints

Rohan:

- ☐ Support Kent with Front-end functionality

- ☐ Ensure frontend can communicate with backend endpoints

Week 13 - Team Report

11/15/2020

Blitz

<https://github.com/Suchwinder/Blitz>

Work done this past week (11.9-11.16):

Team:

- ☒ Complete individual tasks

- ☒ Complete Midterm

Suchwinder:

- ☒ Finished Preview of Image on Bill Split Page

- ☒ Reading up on Sockets and PyTest

David:

- ☒ Set up issues for upcoming features

- ☒ Update code documentation

- ☐ [in progress] Bugfix: discovered a bug late after MVP demo

Kent:

- ☒ Created wireframe for design layout

- ☒ Read about generating QR codes

Rohan:

- ☒ Create wireframe for mainpage

For this week (11.16-11.23):

Team:

- ☐ Complete individual tasks

Suchwinder:

- ☐ Update Receipt Endpoint

- ☐ Consider making Create and Join Group Modals instead of Separate Pages

- ☐ Try to set up live updates (sockets likely)

David:

- ☐ Fix bug that was found

- ☐ Make some API adjustments for additional edge cases

- ☐ Assist with live updates (sockets likely)

Kent:

- ☐ Implement Wireframe design and styling for main page

- ☐ Get backend to run using WSL

Rohan:

- ☐ Create/implement Wireframe for main page

- ☐ Get backend to run using WSL

Week 14 - Team Report

11/22/2020

Blitz

<https://github.com/Suchwinder/Blitz>

Post-MVP Demo Goals:

- Real time updates with Sockets
- QR Codes and emailing links
- Make a cleaner and friendlier UI/UX
- Image cropping (for better Tesseract detection)
- General bugfix, code & logic cleanup

Work done this past week (11.16-11.23):

Team:

☐ Complete individual tasks

Suchwinder:

☒ Update Receipt Endpoint

☐ [in-progress] Consider making Create and Join Group Modals instead of Separate Pages

☒ Try to set up live updates (sockets likely)

David:

☒ Fix bug that was found

☐ [in-progress] Make some API adjustments for additional edge cases

☒ Assist with live updates (sockets likely)

Kent:

☐ [in-progress] Implement Wireframe design and styling for main page

☐ [in-progress] Get backend to run using WSL

Rohan:

☐ [in-progress] Create/implement Wireframe for main page

☐ [in-progress] Get backend to run using WSL

For this week (11.23-11.30):

Team:

☐ Complete individual tasks

Suchwinder:

☒ Convert Join and Create into modals or just join

☒ Look into QR Codes

☒ Look into small bug fixes

David:

☐ [in-progress] Fix bugs as bugs are discovered

☐ Continue adjustments for cleaner logic and code readability

☐ Look into and implement QR Codes/Emailing

Kent:

☐ Update ui/design based on comments from team

☐ Create wireframe for bill split page

☐ [in-progress] Get backend to run using Waitress

Rohan:

[in-progress] Complete main page styling
[in-progress] Get backend to run using Waitress
[] Create Wireframe for Splitpage

Week 15 - Team Report

11/29/2020

Blitz

<https://github.com/Suchwinder/Blitz>

Topics to present:

1. Web Sockets, flask socketio and react socketio -David, Such
2. Tesseract (PyTesseract)-Kent, Rohan

Work done this past week (11.23-11.30):

Team:

- ☐ Complete individual tasks

Suchwinder:

- ☒ Convert Join and Create into modals or just join

- ☒ Look into QR Codes

- ☒ Look into small bug fixes

David:

- ☐ [in-progress] Fix bugs as bugs are discovered

- ☐ [in-progress] Continue adjustments for cleaner logic and code readability

- ☒ Look into and implement QR Codes

Kent:

- ☒ Update ui/design based on comments from team

- ☒ Create wireframe for bill split page

- ☐ [in-progress] Get backend to run using Waitress

Rohan:

- ☒ Complete main page styling

- ☐ [-] Get backend to run using Waitress

- ☒ Create Wireframe for Split Page

For this week (11.30-12.6):

Team:

- ☐ Complete individual tasks

Suchwinder:

- ☐ Presentation topic and slides

- ☐ Look into cropping images, and camera access

David:

- ☐ Fix bugs as bugs are discovered

- ☐ Continue adjustments for cleaner logic and code readability

- ☐ Implement Cropping Images

Kent:

- ☐ Complete split bill styling

- ☐ Complete modal styling

Rohan:

- ☐ Complete split bill styling

- ☐ Complete modal styling

Week 16 - Team Report

12/7/2020

Blitz

<https://github.com/Suchwinder/Blitz>

Work done this past week (11.30-12.7):

Team:

- ☒ Complete individual tasks

Suchwinder:

- ☐ [in-progress] Presentation topic and slides

- ☒ Look into cropping images, and camera access

David:

- ☒ Fix bugs as bugs are discovered

- ☒ Continue adjustments for cleaner logic and code readability

- ☒ Implement Cropping Images

Kent:

- ☒ Complete split bill styling

- ☒ Complete modal styling

Rohan:

- ☒ Complete split bill styling

- ☒ Complete modal styling

For this week (12.7-12.14):

Suchwinder:

- ☐ Prepare socket slides and final presentation/script

David:

- ☐ Work on socket slides and final presentation/script

Kent:

- ☐ Work on technical topic presentation (Tesseract) and final presentation slides

Rohan:

- ☐ Finish/practice presentation/Tesseract slides