

Four-Up

Seneca Park Zoo Tigers

Note: Four-ups represent project status at the start of every sprint (weekly sprints). For example, the Four-Up called "Sprint 1" shows project status at the start of Sprint 1 (Tuesday, September 10th, 2019).

Table of Contents

| | |
|--------------------------|-----------|
| Table of Contents | 1 |
| Week 2 | 2 |
| Week 3 | 3 |
| Week 4 | 4 |
| Sprint 1 | 5 |
| Sprint 2 | 6 |
| Sprint 3 | 7 |
| Sprint 4 | 8 |
| Sprint 5 | 9 |
| Sprint 6 | 10 |
| Sprint 7 | 12 |
| Sprint 8 | 13 |
| Sprint 9 | 14 |
| Sprint 10 | 15 |
| Sprint 11 | 16 |
| Deadlines | 17 |

Week 2

Thursday, September 5, 2019

Progress

- Kickoff Meeting 9/3/19
- Read documentation
- Verified credentials to tools
- Got access to all resources
- Clarified requirements, got context and insight from Tom

Next Steps

- Get what the previous group had up and running
- Check out Jira
- Decide on a methodology
- Gather questions from code, documents, etc and figure out what else we need to know
- Determine metrics
- Learn Salesforce tools
- Create website for the project on SE servers
- Install required software
- Create a VM (possibly through SE department)
- Schedule Seneca Park Zoo visit
- Add bots to slack (Github PR, Jenkins builds, etc.)

Risks

- May be slow getting up to speed and setting up what the last team did
- Still getting adjusted to classes - we may not have our mental schedule down
- Kurt is out of town until next Monday (9/8)
- Unknown velocity
- Learning Salesforce tools

Needs

- SE Team account (Nikolas created a ticket)

Week 3

Tuesday, September 10, 2019

Progress

- Setup team account "senecaparkzootigers"
- Created team website on nitron www.se.rit.edu/~senecaparkzootigers/
- Merged website code to gh-pages branch
- MIT License - PR merged from previous team
- Setup team VM with ubuntu 16.04
- Started deployment of previous app
- Jenkins installed on ubuntu VM
- Deployment to Heroku
- Deployment to Salesforce
- Timesheet Macros have been Updated and seem to be working
- Add time/effort tracking to Team site, all individual and team files [Anthony]
- Give project synopsis to Tom and Scott to review
- Create a list of keywords and search phrases for the survey due Monday [Everyone]
- Complete team survey with relevant information, project synopsis, etc.

Next Steps

- Setup Jenkins pipeline on the ubuntu VM [Jared]
- ~~Confirm deployment succeeded (Salesforce)~~
- Confirm access and find sample datasets in Salesforce or Github?
- Learn more about Salesforce UI and LWC
- ~~Create project synopsis (<250 words) [add to Team site after finishing]~~
- ~~Update Team Timesheet [Nik]~~

Risks

- May be slow getting up to speed and setting up what the last team did
- Unknown velocity
- Learning Salesforce tools
- Salesforce OS Compatibility
- Set up a OnePass - Slack may delete our credentials
- ~~Unable to access VM via SSH - trying to diagnose why~~

Needs

Week 4

Tuesday, September 17, 2019

Progress

- Domain Model
- Project Plan
 - Overview
 - Risk Assessment
 - Completed methodology document
 - Deliverables
 - Scheduling and Estimates
 - Metrics and Measurements
- Visit the Zoo with Tom
- Start Sprint Planning and Estimation

Next Steps

- Host site on SE Machine instead of Redirecting to github pages [Anthony]
- Project Plan
 - Goals and Scope
- Read the other team's Code

Risks

- May be slow getting up to speed and setting up what the last team did
- Unknown velocity
- Learning Salesforce tools
- Salesforce OS Compatibility
- Set up a OnePass - Slack may delete our credentials

Needs

- From Tom - Need datasets for CSV parsing

Sprint 1

Tuesday, September 24, 2019

Progress

- Embed the ~~project plan~~ deliverables on the SE site as a Google Doc or PDF [Anthony]
- Divided the stories up
- Completed Trailhead LWC tutorials
- Jenkins Pipeline setup [Anthony/Jared]
- Email Tom about record ID/asset ID/uuid stuff [Nik]
- Put Burndown Charts on SE Site [Nik & Anthony]

Next Steps

- Import CSV task [Jared]
- Export CSV task [Anthony]
- Access Code Generation task [Nik & Ed]
- Fix Jenkins pipeline (tests) [Jared]
- ~~[Postponed] Contact Brian to talk about Salesforce Trailhead setup [Ed]~~
- For week 7 and 8 we need to schedule an Interim presentation and do mid-term peer evals. [Everyone]
- Ask Tom if he is attending the Interim presentation [Everyone]
- Consolidate Developer Documentation [Nik]
- Research Adjective-Adjective Conservation-Noun for random id.

Risks

- Difficulty learning Salesforce tools
- Unknown if Jenkins is capable of deploying to Salesforce
- External stressors and obligations
- May be slow getting up to speed and setting up what the last team did
- Slack may delete our credentials

Needs

Sprint 2

Tuesday, October 8, 2019

Progress

- Completed mid-term peer evals. [Everyone]
- Jenkins Pipeline resolution [Jared]
- Update Asset + Access Code Workflow diagram

Next Steps

- Import CSV task [Ed]
- Export CSV task [Anthony]
- Projects in open source database [Nik]
- Access Code Generation task [Nik & Ed]
 - Blocked on Salesforce
- Schedule an Interim presentation [Everyone]
 - Blocked on Malachowsky
- Ask Tom if he is attending the Interim presentation [Everyone]
 - Done - need to confirm date
- Consolidate Developer Documentation [Nik]
- Contact Brian to talk about Salesforce [Ed]
 - Done - Contact Tom on Slack
- Ask Brian to join next week's meeting [Ed]
 - Blocked - Waiting to hear back from Brian

Risks

- Inaccurate estimation
- Difficulty learning Salesforce tools
- External stressors and obligations
- May be slow getting up to speed and setting up what the last team did
- Low velocity

Needs

- Response from Brian
- Email from Malachowsky about interim presentations
- Call-in information for Brian

Sprint 3

Tuesday, October 22, 2019

Progress

- Code complete with Projects API [Nik]
- Schedule an Interim presentation [Everyone]
- Tom and some others are attending the Interim presentation [Everyone]
- Research PostGIS scalability [Jared]

Next Steps

- Import CSV task [Ed]
 - Able to query Heroku
 - Front-end is partially done
 - Finalizing and testing
- Export CSV task [Anthony]
 - Front-end is done for LWC
 - Working on queries with Heroku
- Consolidate Developer Documentation [Nik]
 - Half done
- Completing LWC for Projects API [Nik]
 - Need to deploy to Salesforce and test
- Salesforce deployment from Jenkins [Jared]
- Create 30-45 sec. Video by 12/1/19 [Everyone]
- Prepare for final presentation due 12/3/19 [Everyone]
- Access Code Generation task [Nik & Ed]
 - Blocked on Salesforce
- Contact Brian to talk about Salesforce [Ed]
 - Done - Contact Tom on Slack
- Ask Brian to join next week's meeting [Ed]
 - Blocked - Waiting to hear back from Brian

Risks

- Inaccurate estimation
- External stressors and obligations
- Difficulty learning Salesforce tools
- Having to Scale the Open Source Database
- Low velocity

Needs

- Assistance from Brian Goldberg

Sprint 4

Tuesday, November 5, 2019

Progress

- Fixed CORS Header Issue [Nik]
- Resolved dependencies [Anthony]
- Finalized PR testing in Jenkins [Jared]
- Finished Projects LWC [Nik]

Next Steps

- Import CSV task [Ed]
 - Able to query Heroku
 - Front-end is partially done
 - Finalizing and testing
- Export CSV task [Anthony]
 - Front-end is done for LWC
 - Working on queries with Heroku
- Consolidate Developer Documentation [Nik]
 - Half done
- Salesforce deployment from Jenkins [Jared]
- Create 30-45 sec. Video by 12/1/19 [Everyone]
- Prepare for final presentation due 12/3/19 [Everyone]
- Access Code Generation task [Nik & Ed]
 - Blocked on Salesforce
- Contact Brian to talk about Salesforce [Ed]
 - Done - Contact Tom on Slack
- Ask Brian to join next week's meeting [Ed]
 - Blocked - Waiting to hear back from Brian

Risks

- Inaccurate estimation
- External stressors and obligations
- Difficulty learning Salesforce tools
- Having to Scale the Open Source Database
- Low velocity

Needs

- Assistance from Brian Goldberg

Sprint 5

Tuesday, November 19, 2019

Progress

Dependencies Security Alert Addressed
Create 30-45 sec. Video by 12/1/19 [Everyone]
Prepare for final presentation due 12/3/19 [Everyone]
Submit 30-45 sec. Video by 12/1/19 [Anthony]

Next Steps

Import CSV task [Ed]
-Able to query Heroku
-Front-end is partially done
-Finalizing and testing
Export CSV task [Anthony]
-Front-end is done for LWC
-Working on queries with Heroku (½ done)
Geospatial queries [Nik]
Consolidate Developer Documentation [Nik]
-Half done
Access Code Generation task [Nik & Ed]
Blocked on Salesforce

Risks

Heroku data loss
Scope creep
Inaccurate estimation
External stressors and obligations
Difficulty learning Salesforce tools

Needs

Hear back from Brian Goldberg

Sprint 6

Tuesday, January 21, 2020

Progress

Geospatial queries [Nik]

- Code complete

Brian will be available starting next week (February 3rd)

Licensing for Salesforce will begin Feb. 15th

Export CSV task [Anthony]

- In PR to `dev`

Import CSV task [Ed]

- Able to add CSV data to DB

- Front-end is done

- Testing still needs to be done

- Need to clean error messages up

Geospatial queries [Nik]

- Needs to be reviewed

- API information and JSON payload needs to be moved from notes to Drive

Updated Website to include PDFs [Anthony]

- Deployed to Github pages and on Nitron

Next Steps

Geospatial map front-end [Jared]

- Plotting points

- Displaying information

- Determining scaling abilities (zoom)

- Testing

Consolidate Developer Documentation [Nik]

- Moved to drive, just needs to be reformatted from markdown to Word doc style

~~Access Code Generation task [Nik & Ed]~~

Risks

Heroku data loss

Scope creep

Inaccurate estimation

External stressors and obligations

Difficulty learning Salesforce tools

Needs

Hear back from Brian Goldberg
Available in mornings (Pacific Time)

Sprint 7

Tuesday, February 4, 2020

Progress

Jared fixed the Dev Build
Ed fixed the write issues with Dev2
Ed Fix Merge Conflicts
Temporal Queries [Nik and Ed]

Next Steps

Geospatial map front-end [Jared]
-Plotting points
-Displaying information
-Determining scaling abilities (zoom)
-Testing
Deploying to Dev [Anthony]
-Where should the Salesforce Demo page be?
 Use myconservationlife@gmail.com
-Which Heroku?
 -Use a dev account

Risks

Heroku data loss
Scope creep
Inaccurate estimation
Issues with deployment
External stressors and obligations

Needs

Sprint 8

Tuesday, February 18, 2020

Progress

- Exporting Headers [Anthony]
- Map merged with Dev [Jared]
- Draw plugin added to map [Jared]
- GeoJSON (temporal) ready, need data for testing [Nik]
- Deploying to Dev [Anthony]

Next Steps

- Geospatial map front-end [Jared]
 - Draw plugin utility
 - Plotting points
 - Displaying information
 - Determining scaling abilities (zoom)
 - Testing

Risks

- Heroku data loss
- Scope creep
- Inaccurate estimation
- Issues with deployment
- External stressors and obligations

Needs

Sprint 9

Tuesday, March 3, 2020

Progress

- Add white background to Export CSV & Headers [Anthony]
- Contact Brian about message [Jared]
- Switch "GET" endpoints that have body to "POST" [Nik]
- Cannot Copy Asset Generation text box [Nik]
- Blank field validation for Import CSV [Ed]

Next Steps

- Geospatial map front-end [Jared]
 - Draw plugin utility
 - Plotting points
 - Displaying information
 - Determining scaling abilities (zoom)
 - Testing
- Test Export CSV to see if Private Properties are Exported [Anthony]
 - Need to fix query
- Add location fields to Export CSV (ST_X is a longitude, ST_Y is a latitude) [Anthony]
 - Need to fix query
- Research DB Security Methods (API Keys, Oauth, etc. ?) [Jared]

Risks

- COVID-19
- Scope creep
- Inaccurate estimation
- External stressors and obligations
- Issues with deployment

Needs

Sprint 10

Tuesday, March 17, 2020 (3 weeks to April 7th)

Progress

- Heroku account is paid now - have access to create new app
- Know how to make an unmanaged package
- Established final deliverables
- All Dev Branches have the Donor Code Field
- Created unmanaged package for LWCs
- Donor Code Backend
- Architecture Meeting with Brian
- Heroku meeting with Sarah and Ben
- Test Export CSV to see if Private Properties are Exported [Anthony]
- Add location fields to Export CSV (ST_X is a longitude, ST_Y is a latitude) [Anthony]
- Create new Heroku app [Anthony]
- Review Ed's Documentation for Adding Donor Codes
- Geospatial map front-end [Jared]
- Update Map LWC to be filterable on Donor code [Nik]

Next Step

- Donation code pairing with donation object documentation [Jared, Ed]
- Poster [All]

Risks

- COVID-19
- Scope creep
- Inaccurate estimation
- External stressors and obligations
- Issues with deployment

Needs

Sprint 11

Tuesday, April 7th

Progress

- Donation code pairing with donation object documentation [Ed]
- Code reviews [All] <
- Database security options [Jared]
- Poster [All]
- Salesforce Select Asset Bug [Anthony]

Next Steps

- Documentation [All]
- Short Video Presentation [All]
- Final PPT [All]
- Technical Report [All]
- Team Retrospective [All]
- Test LWCs [Anthony]

Risks

- COVID-19
- Scope creep
- Inaccurate estimation
- External stressors and obligations
- Issues with deployment

Needs

- Scope creep
- Issues with deployment
- COVID-19
- External stressors and obligations
- Out of date documentation

Deadlines

| | |
|------------------|--|
| Week 1 13 Jan | <ul style="list-style-type: none">• State-of-the-project discussion with sponsor and coach• <u>Deliverables</u><ul style="list-style-type: none">◦ Project plan updated for second term |
| Week 2 20 Jan | Martin Luther King Day (no classes on Monday) |
| Week 3 27 Jan | |
| Week 4 3 Feb | |
| Week 5 10 Feb | |
| Week 6 17 Feb | |
| Week 7 24 Feb | <ul style="list-style-type: none">• Conference Demo (27th at 6:30pm)• Coordinate with sponsor for attendance at final presentation• <u>Deliverables</u><ul style="list-style-type: none">◦ Mid-term peer evaluation |
| Week 8 2 Mar | <ul style="list-style-type: none">• Attend <i>How to Make a Poster</i> session (Tuesday, 5 March)• Mid-term project review with sponsor and coach• <u>Deliverables</u><ul style="list-style-type: none">◦ Final presentation scheduled |
| 9 Mar | Spring break |

| | |
|-------------------|---|
| Week 9 16 Mar | <ul style="list-style-type: none"> • Motivated by the mid-term project review and peer evaluations, discuss with faculty coach adjustments individual team members and the team will make |
| Week 10 23 Mar | |
| Week 11 30 Mar | <ul style="list-style-type: none"> • <u>Deliverables</u> <ul style="list-style-type: none"> ◦ Project poster concept |
| Week 12 6 Apr | <ul style="list-style-type: none"> • <u>Deliverables</u> <ul style="list-style-type: none"> ◦ Preliminary project poster ◦ Draft final presentation |
| Week 13 13 Apr | <ul style="list-style-type: none"> • Give final presentation this week, or next week • Attend required presentations • <u>Deliverables</u> <ul style="list-style-type: none"> ◦ Project poster delivered to Senior Project Coordinator |
| Week 14 20 Apr | <ul style="list-style-type: none"> • Give final presentation this week, if not given last week • Discuss sponsor's possible attendance at final reflection meeting • Attend required presentations • Poster presentation during Software Engineering Project Day • <u>Deliverables</u> <ul style="list-style-type: none"> ◦ Technical report outline |

| | |
|--|--|
| <p>Week 15</p> <p>27 Apr</p> <p>through Finals</p> | <ul style="list-style-type: none"> • Attend final reflection meeting • <u>Deliverables</u> <ul style="list-style-type: none"> ○ Presentation evaluations for presentations attended ○ Draft technical report ○ Individual peer evaluations ○ Final project artifacts ○ Final technical report ○ Team final self-assessment ○ Summary of Project Reflection meeting ○ Project website and repository on an se.rit.edu machine up-to-date with all project artifacts, tracking reports, etc. ○ Course evaluations ○ Summary of final reflection meeting ○ Senior survey |
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