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M-01 1/17/23

4:20pm

Options for programming languages

C#

C++
Python
Java/Javascript

We are leaning towards using a C-based language for this project.

Potential roles discussed

Front-End development & GUI:

Van
Patrick

Documentation:

Jayde
Ben
Van

Back-End:

Nathaniel

****Team Lead:**

Jayde

****This is for-sure**

Jayde is going to ask prof. about whether this project is *required* to be web-based or an application, or if it is up to us. The answer to this question will decide how we design the part of the software that stores persistent data.

Publicly available maps/seating charts of VBC

<https://www.vonbrauncenter.com/events-tickets/seating-charts/>

The Playhouse & Concert Hall are the last two images at the above link

At checkout, we can have the user select whether they want to pay then (with credit card/Paypal/etc), or if they want to pay at the door. This relates to requirement 16 (*The system will be able to record individual reservations as they are received by the ticket manager, and their paid/unpaid status recorded. When the tickets are picked up and/or paid for, the system can keep track of that.*)

We have decided on our roles going into the project. These roles will be changed as necessary as responsibilities shift:

Patrick Berzins GUI Lead
Jayde Holbrook Team Lead
Van Hudson Technical Writer
Ben Lukins Technical Writer

Nathanial Smith Technical Lead

We will plan to meet next before class on Thursday 1/19/23 at 3:00pm. We will meet in the first floor lounge area in Tech Hall nearby the former Blue's Tech Hall.

M-02 1/19/23

3pm - 4pm
&

M-03 1/19/23

5pm - 5:40pm

Options for how we can implement persistent data:


- Firebase is a promising option for hosting the site. It also allows for use of a JSON-based database
 - <https://firebase.google.com/>
 - The backend database is JSON
 - Front-end seems to be separate - we create the app in our chosen (assumedly compatible) language and host it on Firebase
- It also supports GitHub
- Script files for data persistence
- MySQL and PHP
- Webflow
- React.JS

We have made the final decision to use GitHub and Jira (this is reflected in our Key Decisions)

Requirement: The address list and ticket assignment list may be exported for other programs to use. The form of the exported information will be customizable by a user or by the organization.

Requirement: The address list and ticket assignment list may be imported from other programs. The form of the imported information will be customizable by a user or by the organization, obviously subject to the presence or absence of any particular data item in the other program

We worked together on categorizing the software requirements into overarching groups:

 Ticket Reservation Feature Categories

<https://stackoverflow.com/questions/66605573/can-we-connect-firebase-database-with-webflow>

Jayde created the GitHub repository.

Meeting time after class was spent discussing individual/team reports and risk mitigation. A Jira project was also made.

What to do at next meeting

- Write out epics, user stories, requirements
- Work on SDP
- Determine hosting/database methods
- What backend is going to be written in?

Questions to be answered

Why are users allowed to access a list of addresses and tickets? Why can a user import address and ticket assignments? Is the user defined as strictly a ticket buyer or someone in the organization?

We can use something like Google Firebase and/or Webflow?

For weekly reports, risk tracking mentions putting mitigation steps in schedule?

M-04 & M-05 1/24/23

3:00pm-4:10pm

Agenda:

- Write out epics, user stories, requirements
- Work on SDP
- Determine hosting/database methods
- What backend is going to be written in?

Working on getting Webflow workspace set up

Decided on the four epics. These are now listed in the Weekly Report

Key decisions to use Firebase and React (reflected in Weekly Report)

Webflow is off the list of options (it's too difficult to collaborate with. It would cost money to add collaborators to a project)

Jayde shared the Firebase project with all of us

More discussion on responsibilities:

Jayde will work on Database side of things

Patrick and Van will work on front-end side of things

Questions:

Who do we put in the Created by/Modified by/Approved by sections?

Answer: That is a living section for when we make modifications to the SDP in the future

What is the purpose of User Definitions?

Answer: To define specific terminology (ticket buyer, season ticket, etc.)

To-Do:

- Assign duties for SDP, presentation

Notes from class:

5-10 minute presentation

Prof estimates 3-4 slides

Introduce folks on team

Roles

Highlights of SDP (powerpoint is not covering entire SPD)

M-06 1/26/23

3:00pm- 4:50pm

Finished draft of SDP and practiced presentation for SDP Presentations

M-07 1/31/23

3:00pm- 4:00pm

User Story development

Questions for Professor

1. *[in reference to requirement 5] How flexible can we be with the GUI - in the requirements it asks us to show the seat number visually, but we would prefer to keep the GUI simple (show section/row numbers, but just little circles or squares for the seat) The user would then see the seat number on their ticket/checkout itself.*

It is ok for seat number to pop up when clicked on

2. *Season tickets - how do WE implement this? Does the user just buy a new ticket when they want to see this year's shows? Do we notify them before tickets go live to confirm their seat? Do we reserve their seat regardless of whether they actually come to the show??*

Dont notify, reserve regardless, for the whole season

M-08 2/2/23

3:00pm-4:06pm

Continuing user story development

Split out user stories to turn into requirements which we'll work on , plan to talk about prototype plans on Tuesday's meeting

More questions to ask

In regards to 19/20, (The form of the exported information will be customizable by a user or by the organization.), what does "form" mean?

Csv vs json; we can customize what theory get if we want

Will imported information be expected to override existing information, or should it be expected to just add to the database?

Overrides

Each season ticket holder's information can be edited and/or exported (number 12). Does each mean individual or every single one?

All together

Do we hardcode admin users into the system (like we provide them with a password and add new supervisors manually) or does there need to be a way for them to register?

One admin, like a VBC manager

M-10 2/7/23

3:00 pm-4:02 pm

Prototyping

Figma is an option for rapid prototyping of our app.

What would we like to have in our prototype (goal for Tuesday submission)?

- Landing page (straight to list of shows with a button for admin login at top)
- Admin page (demonstration of buttons for things an admin user could do)
- Seat selection page
- Check-out page

Worked on creating Sprints and Backlogs in Jira

Question for prof:

What kind of prototyping are we talking? Rapid prototyping kind? Figma?

This is fine, "just something to show the design"

Plan to develop UML diagram/Class diagram after completing prototype.

Notes for class:

We can create a short presentation with only a few slides and then can show our Jira board.

Next time: Work on our prototype together in Figma (and start on presentation)

M-11 2/9/23

3:00pm-4:02pm

Worked on Figma prototype and presentation for sprint 2

Questions for professor

- Do we focus more on user stories or requirements? (Ours are very similar so we don't want to be redundant)
Focus more on user stories because our requirements stem from user stories

Notes from class

No class essentially, just working more on project

Presentation split

Jayde: Jira and Figma walkthrough

Nathaniel: Epic 4

Ben: Epic 1 and 2

Patrick: Epic 3

Van: Introduction (epics, user story highlights, and project recap)

M-13 2/14/2023

3:00pm-4:04 pm

<https://nodejs.org/en/docs/guides/getting-started-guide/>

Submitted presentation

Made small adjustments to the Prototype

We are probably using Node.JS for backend and *hosting* the site on Firebase

This week/weekend Jayde will set up Node.JS in the team GitHub

M-14 2/21/2023

3:00 PM-3:30 PM

Jayde absent due to illness

Marked sprint 2 as officially complete in Jira

Officially started sprint 2 in Jira

Went over UML as it is so far, plan is to be done with it around Wednesday of this week

Did a practice run of the presentation.

Wanted to wait on big decisions until Jayde (team lead) is well again and available

Notes from class:

Local host is completely fine if we were not wanting to/able to host the application/website on an actual web hosting site

M-15 2/23/2023

3:00 PM- 4:04PM

Patrick absent due to being out of state

Discussed how to structure database/classes

Questions

Can our season ticket holder seats be a “reserved” section that no regular buyer can purchase?
This is ok

To create a new show/performance/season, should it just be created in the GUI and added to a database of upcoming events that way? Or should the admin user import a file to pull information from?

GUI driven, add on to database

M-16 2/28/2023

3:00 PM- 4:13PM

Summary: Troubleshooting React on Github, GitHub practice in general, backend team to meet this weekend

Next time: Prepare for presentation on Thursday

Notes from class

Presentations starting Tuesday

- Architecture layout
- Exactly what languages, frameworks, OSs
- Code layout (folder structure), components, sources, CSS
- If using design pattern go over it
- Update any documents
- Any changes since last presentation
- This sprint's Jira board to show where we're at
- If any demo or prototype to show, show it.
- 4-5 slides plus other stuff to show
- No longer than 10 minutes

M-17 3/2/2023

3:00 PM- 4:37PM

Lots of things done today
More work on presentation done
Converting from javascript to typescript
Reorganized jira board
Talked about new UML structure
Backend team still planning to meet on Saturday

M-18 3/4/2023

1:00 PM-2:24PM

Backend team meeting
Solidified classes more, split up class creation among backend members, discussed and GitHub code review methods

M-19 3/7/2023

3:00 PM-PM

Discussed and assigned story points to backlog tasks, practiced for presentation

M-20 3/9/2023

3:00 PM - 4:54 PM

Reviewed current progress

Reviewed SDP changes

Decided what to do over Spring Break, planned out activities for Sprint 4

M-21 3/21/2023

3:00 PM - 3:32 PM

Discussed backend and frontend communication

M-22 3/28/2023

3:00 PM - 4:10 PM

- Tested page flow update (Jira C4T6-66) and merged it with main branch
- Reviewed Jira board
- Partner work

M-23 3/30/2023

3:00 PM - 5:30 PM

- Ensured Admin page works on each others' computers
- Lots of partner work to get JSON stuff going

M-24 4/4/2023

3:00 PM - 4:10 PM

- Sorted out issue with circular references between backend objects

M-25 4/6/2023

3:00 PM - 4:15 PM

- Worked together to get UI updates merged onto master branch (admin-side and public-side)
- Prepped for presentation

M-26 4/11/2023

3:00 PM - 4:12 PM

- Worked together
- Copy of Jayde's senior capstone will be posted online soon for everyone to look at
- Maybe writing a batch script for final delivery

M-28 4/13/2023

3:00 PM - 4:10 PM

- Worked together on various tasks
- General progress update

M-29 4/15/2023

11:00 AM - 1:16 PM

- Group work and discussion on errors and problem solving as they occurred
- Talk about presentation

M-30 4/15/2023

2:10 PM - 6:10 PM

Continuation of meeting 29 after "lunch break"

- Pair programming and documentation clean-up

M-31 4/16/2023

12:00 PM - 4:15 PM

- Continuing work and discussing presentation outline

M-32 4/17/2023

3:00 PM - 11:06 PM

- Prepared final merges for the master branch for presentation demo on Tuesday
- Practiced for demo layout
- Demo split up:
 - Jayde: Demo
 - Ben: Jira
 - Patrick: Hurdles
 - Van: Overall development process
 - Nathaniel: Lessons Learned

M-33 4/17/2023

3:00 PM - 4:20 PM

- Prepared for demo & presentation

M-34 4/20/2023

3:00 PM - 4:10 PM

- Discussed what's next
- Discussed Test Plan writing plan
- Worked on SDP updates
- Hash key purchases?
- Next meeting noon on Sunday

Notes about exchange discussed

- Load selected seats (revert from purchased to selected based on the seats they brought from the home confnum check) at the load of the page
- Switch exchange to a single button on the homepage

M-35 4/23/2023

12:00 PM - 7:00 PM

- Worked together on final deliverables
- Next meeting: Thursday at 4

M-35 4/27/2023

4:00 PM - 8:00 PM

Prep for final delivery tasks:

- ☒ ~~Exchanging tickets functionality~~
 - ☒ ~~Fix phone number issue — *Van is working on this*~~
 - ☒ ~~Fix displayed price at checkout~~
- ☒ ~~Import/export JSON files functionality~~
 - ☒ ~~Export JSON~~
 - ☒ ~~Export CSV~~
 - ☒ ~~Import JSON~~
- ☒ ~~Take care of any problem reports~~

- ☒ ~~Test Plan sections that look to do:~~
 - ☒ ~~1.1~~
 - ☒ ~~2~~
 - ☒ ~~3.1~~
 - ☒ ~~4~~
 - ☒ ~~6.1~~
 - ☒ ~~6.2~~
- ☐ ~~SDP~~
 - ☒ ~~5.5 (what we did/didn't get done)~~
 - ☐ ~~Figure 2 update - *Van can do after final edits to folder structure*~~
 - ☒ ~~5.7 (overview of test plan)~~
- ☒ ~~User Guide~~
 - ☒ ~~Pics for purchases~~
 - ☒ ~~Pics for season ticket pass holders~~
 - ☒ ~~Exchanging/import/export instructions~~
 - ☒ ~~Update TOG~~

- ☐ ~~Cleaning up test code/files/data, add comments as needed~~
 - ☐ ~~*Van can clean up frontend*~~
 - ☒ ~~*Jayde can clean up backend*~~

- ☒ ~~Test the code on Mac again~~