Sprint 2 Review

Attendance: Professor Lash, Diego Rodriguez, Brian De La Torre, Issai Nunez, Anthony Salerno

1. Sprint 1 (November 18th – November 30th)
   1. Initial Sprint Backlog
      1. Log In/Register Merge
      2. Requesting PTO Page
      3. Donut Charts
      4. Homepage
      5. Context Diagram
      6. Use Case Diagram
      7. State Diagram
   2. Items Completed
      1. Log In/Register Merge
      2. Donut Charts
      3. Homepage
   3. User Stories
      1. Log In/Register Merge
         1. User Story: As a user, I should be able to log in and register in with my employee ID and password, so that I can go into the PTO application.
         2. Acceptance Criteria: Given that I am an employee or a new user. When I enter the application, I should be able to see a log in page where I can enter my current employee credentials to log in and see the homepage. But, if I am a new employee, I should see a button on the login page that allows me to create new credentials for the application.
         3. Technical Requirements: On the log in page a returning user can put in the email they used when they created the employee account and password. They should see a page that shows two areas where they type in their email and password. If they type in something wrong, like the password, it will warn them that they are the wrong credentials. There is also a button underneath this that will ask new employees to create an account. Here they will be led to a page that asks for their email address and what the password will be for this new account.
      2. Donut Charts
         1. User Story: As a user, I want to be able to see my PTO data, how much I have left, and how much I originally had, in the form of Donut Charts.
         2. Acceptance Criteria: Given that I am an employee. When I enter the page which stores my PTO stats. I should see at most, 3 donut charts containing data for my Personal PTO, Sick PTO, and Vacation PTO. I should see the amount I have left and how much Time off I originally had.
         3. Technical Requirements: On the stats page, the user should see three donut charts displaying their PTO data. But for now, until we can get it working with our PHP server, let's hardcode in data that we can change to show that it can work with our application
      3. Homepage
         1. User Story: As a user, when I enter the app, I want to see the login page which takes me to the homepage.
         2. Acceptance Criteria: Given that I am an employee. When I enter the application. I can log in with my employee id and password which will lead me to the homepage. When I click log in, it should take me to the homepage where I can see the date, a welcome user header, a button that will lead me to the times and absences page, and my notifications to the right.
         3. Technical Requirements: Once they log in they should see the homepage which should welcome them in the header. They should also see a button to click on which will lead them to their times and absences page, a notifications menu to the right side of the homepage, and their PTO statistics.
      4. Context Diagram
         1. Acceptance Criteria: As the supervisor of this project. I want to see a context diagram that is showing how the application interacts with the database, the employees, and the admins.
      5. Use Case Diagram:
         1. Acceptance Criteria: As the supervisor of the project, I should see a use case diagram that shows how employees and HR interact with one another on the application. How is the HR employee handling user requests
      6. State Diagram:
         1. Given that I am the supervisor, I want to see a state diagram showcasing the many events that the application will go through and the change in state PTO will make through the request process.
   4. The Demo
      1. From low priority to high priority order, we showed our diagrams which we then received feedback for. We then proceeded to show Professor Lash our login page working in by logging in and creating a new account. Brian would then show his work on the home page discussing what each button did and what the notifications displayed. Issai would showcase his work on the donut charts, which while they didn’t connect to our data server, it was a good showcase even with the hardcoded data and it showed exactly what we want to have on the final product.
   5. The Learnings
      1. From this sprint meeting we learned that when it came to the diagrams that it was important for us to go to Lash for help when something didn’t make sense or in case, we were doing the diagram wrong. Otherwise, we could turn in work that did not make sense or made things more complicated than it should.
      2. For the next and last sprint, we learned it was time to try and get the most important functionalities done. Otherwise, we will continue to have issues and have no time for them.
   6. Sprint Burn-Down
      1. Because of how a lot more focused this sprint became thanks to the feedback from the first sprint. We managed to put a lot more work into our frontend and backend functionality. Anthony practically worked on the daily when it came to the backend of our project and same went for Brian with our frontend. Both came together in the end, and we managed to get our log in and register pages working on the frontend and in our backend. Our requesting PTO page went through some changes in design during this sprint but overall the principles such as the user story and requirements were the same. Brian did come to us with some changes he wanted to make and they were good additions thanksfully. Anthony was able to implement his backend to it and we managed to get a working PTO requesting system.

We also managed to get a final basis for our homepage. Making it simpler with some adjustments. Issai was on donut charts which we wanted to implement onto the stats page. He did manage to get those working kind of. But we ran into problem with our github that made accessing the application impossible for the weekend. So Issai had to wait while we tried to sort this out. But once we did, he got back to work as usual. In this sprint we also realized that we needed to get diagrams done since we only had the two, activity which wasn’t even needed anyway, and the table diagram.

So everyone but Issai, since he already worked on a diagram, was assigned a diagram. Diego was assigned the context diagram, Brian the state diagrams for an employee view and an HR view, and finally Anthony had to work on a use case diagram. We did present those to Lash on the day of our meeting but it looks like we need some more work on those. The context diagram was a little too complicated, state diagram was missing some things, and the use case diagram was a little incomplete. So these have to get carried over into our last sprint.

* 1. Graphical user interface, chart, application

     Description automatically generated
  2. Sprint Retrospective
  3. What Worked in Sprint II
     1. Backend and Frontend people had a lot more communication this time around. Brian and Anthony conversed a lot more and with that Anthony was able to better integrate his backend with Brian’s frontend code and design.
     2. Having us learn more about certain things we didn’t know anything about helped us with each other’s duties. Something like React was an issue so budding heads really helped.
     3. A lot more of helping one another with issues and clarification really helped us on this.
  4. What needs work
     1. Going to Professor Lash for help. When it came to the diagrams its clear that they were either too confusing, missing things, or too complicated. We need to go to him for any help on these so we can get a good diagram out there to better understand the application
     2. A better workload, this sprint even though the tasks were big. There seemed to be not too many of them, even with the diagrams.
     3. We need to continue talking to one another about the project even during breaks like weekends. Even though we do work on the project during those days. We seem to lose communication somehow
  5. What Will We Do?
     1. Meeting with Lash individually if we need to for help to get tasks completed and done right,
     2. Have a bigger backlog ready but big enough that its not putting too much stress on us and moving us away from the important tasks.
     3. Even on the weekends we need to communicate as we do when we’re at campus.