SPRINT FOUR

CS2450-002, Team 2

Cody Strange-Scribe and Information Manager
Ethan Taylor-GUI Developer
Jaden Albrecht-Team Manager
Tyler Deschamps-Chart and Milestone document builder
Jordan Van Patten-V&V and Tester
Craig Sharp-Stakeholder

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Management

Procedures

Verification & Validation

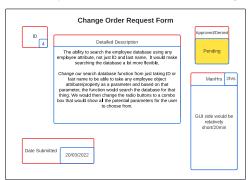
summary:

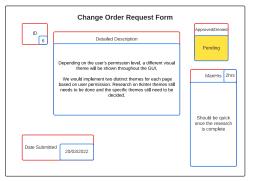
Change Control Board

Summary:

SPR-4 Change Order Forms

Summary: These are all of the change order forms that have been filled out for this sprint





Plans

SPR-4 Risk Management Plan

Summary: This is the risk management plan that focuses on potential risks on sprint four. It is oriented to risks that we face when writing the code and the finished product.

ID	Category	Description	Consequence	Probability	Impact	Risk Minimalization plan	Contingency plan
1	Login Page	Login page fails to load, or fails to do what it is supposed to	No one would be able to access the site	Low		Following the V&V process, along with constant and thorough testing	Shareholders will have contact info of team, fixing login-page will be a high-priorty
2	Merge database	Program fails to read in a previous data base and add it to current one	Customer would be forced to add each employee from the previous data base to the current one by hand	Medium	Medium	Constant communication with shareholder to understand how all previous databases have their information stored	Would have to update the program to be able to read in how the previous database was stored
3	Security breach	Personal data is stolen and/or sensitive data field being altered	Private information being leaked, database no longer having accurate information	Medium		Constant testing and V&V, possible use of data encryption software	Will likely have to use more powerful third party software to create stronger layers of protection
4	adding/editing employees	Program fails to update the information of a new employee or add in a new employee	Employee may be getting paid the wrong amount/not getting paid at all	Low		Constant testing and following the V&V process.	Shareholders will have contact info of the team, team will quickly diagnose the issue and fix the program
5	Privelges	Employees are allowed access to data fields that their privelges shouldn't allow access to	Employees can edit important information that they shouldn't be allowed to	low	High	Constant testing and fo ll owing the V&V process.	Shareholders will have contact info of the team, team will quickly diagnose the issue and fix the progam

Maintenance Plan

Summary: The maintenance for sprint four will be focused on maintaining code through proper testing and V&V as well as reporting bugs and fixing them quickly based on priority.

Deployment

Deployment Plan

Testing

Testing

Test Plan

summary:

Test Report

summary:

Usability Test

summary: Cody Strange ran the usability test because he has the least amount of knowledge in dealing with the code.

- Test#1: I was unable to get the program running, I downloaded the zip file and tried to run every file that was there, at best they did nothing I could see. At worst they through errors. I was unable to get it running and will need to discuss this with the team to find out why it is not working.
- Test#2: I was able to get the program to work after adjusting one of the paths that are called in the code, I was brought to the login page and typed in the proper id and password and that worked fine. It instantly brought me to the Add Employee page, and only had a "Add Employee" button, "Cancel" button, and "Help" button. The help button through a message that said it was a work in progress. But when I tried to add an employee it would just say that I was missing fields even though I wasn't. Once I hit the cancel button something very odd happened. Most of the fields disappeared and the ones that remained could not be edited. The page was still called "Add Employee", the "cancel" button does not do anything. And I tried to exit out of the program but the "X" in the top right corner doesn't work.
- Test#3: Cannot find out which fields that I am typing in are invalid, seems to require me to fill out an hourly wage, salary, and commission. Even though it asks me to decide which one to use. Also has me fill out the end date even though the employee is just starting.

Bug Tracking

Bug Tracking Plan

summary: We are using backlog to keep track of bugs that appear in the program. When a new bug is discovered, the programmer/tester creates and 'issue' on backlog where they give the bug a brief name and detailed description of what the bug causes. It is then assigned to someone to fix and a due date to fix by and labels it so that it appears in the 'Open' section of the board. The assignee then moves it to the 'In Progress' section while he is fixing it. Once he fixes the bug it is then moved to the 'Resolved' section and the person who fixed it leaves a comment giving a brief description on how they fixed it.

Bug Report

summary: The bug report has been slightly adjusted from last sprint, with the "Severity" category being renamed to "Priority.

Lincoln Index

summary:

Charts/Forms

SPR-4 Work Breakdown Structure

Chart

Summary:

SPR-4 Pert Chart

Chart

Summary:

SPR-4 Gantt Chart ChartSummary: SPR-3 Burndown Chart ChartSummary:

Beginning Software Engineering(chapter 3)

CS2450 Lecture #6(2/2/2022)

Research

Sources

Meeting Logs

Meeting Log#9
Meeting Log#10

Meeting Log#11

Meeting Log#12

Meeting Log#13