



SWE30010 - Managing IT Projects
TASK 11: Sprint 1 End-of-Sprint Progress Reporting

HUMAN RESOURCE MANAGEMENT WITH
ATTENDANCE SYSTEM

Group 2

GROUP 2 INFORMATION

| Name | ID | Tutor | Class |
|-----------------------|-----------|--|---------------------|
| Le Hoang Hai | 103542974 | | |
| Nguyen Dinh Nhat Minh | 103802490 | Thomas Hang <u>Nsam@swin.edu.au</u> | Saturday 7:00 AM |
| Nguyen Nhat Huy | 103802911 | | |
| Nguyen Ngoc Minh Thy | 103802791 | | |

SPRINT TASK

1. Introduction

This task is concerned with developing the HRM Application project for Gemadept. This task specifically is going to be a continuation from the previous task of keeping track of day 1 to 5's progress as it is about the progress of day 6 to 10.

For the main content, we will attempt to deliver the manager's portal and then database design and management. These items are not previously done in the last task due to time constraints, however they will be developed here.

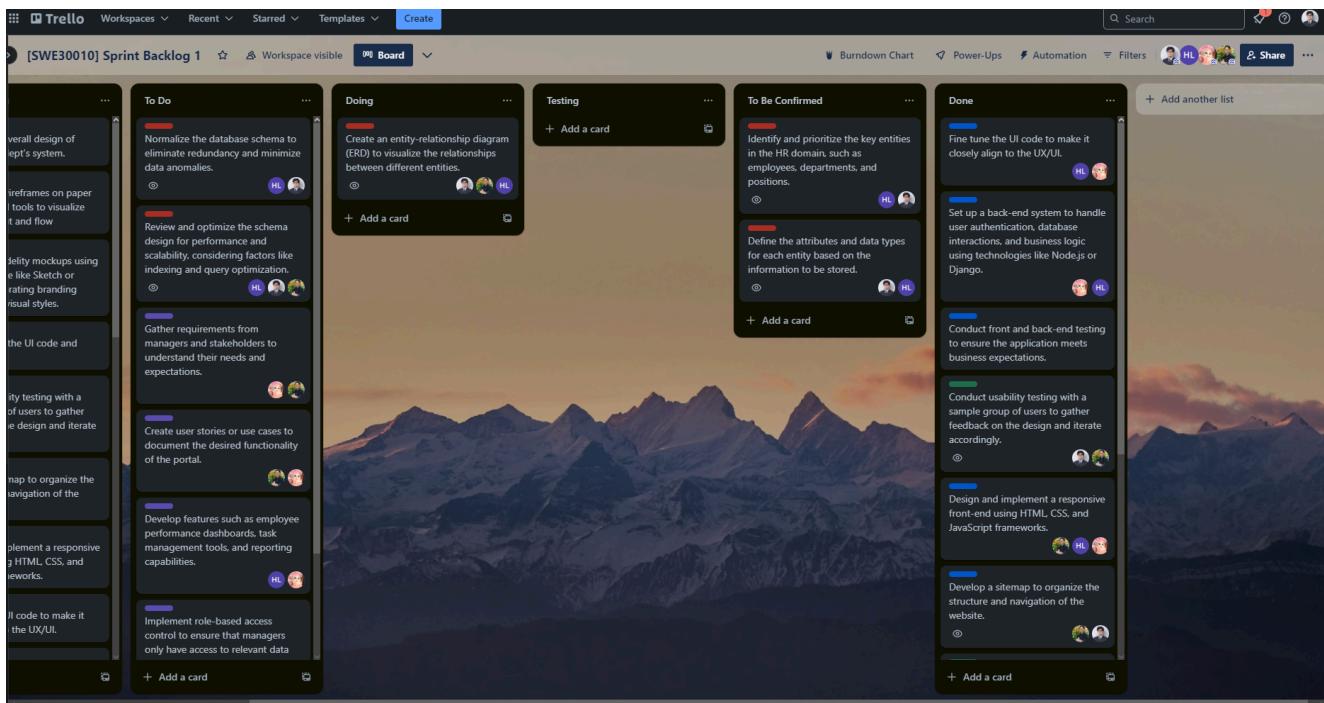
2. Task progress

a. Day 6

Tasks Sign Up

| Item | Description | Member |
|---|--|------------------------------------|
| Identify and prioritise the key entities in the HR domain. | These entities include employee's name, departments, positions, and additional entities like salaries, and performance reviews. By prioritising these entities, we can ensure that we stay focused on the most critical aspects of HR management that directly impact organisational operations and goals. | Hoang Hai Nhat Minh |
| Define the attributes and data types for each entity based on the information to be stored. | We will carefully analyse the information to be stored for each entity and determine the appropriate data types, such as string, integer, date, decimal, etc., to accurately capture and represent the data. | Hoang Hai Nhat Minh |
| Create an ERD to visualise the relationships between different entities. | By creating an ERD, we should have a better understanding of the structure and interactions between HR entities, which will help form effective database design and system development. | Hoang Hai Nhat Minh Nhat Huy |

Trello task board update



Github repository

Commit

Update API for employee Salary by Email

```
[  
  {  
    "id": "11",  
    "email": "jwyliea@google.ru",  
    "base_salary": "$24,00",  
    "total_work_hour": "17:46:00",  
    "bonus": 0,  
    "actual_payment": "$426,40"  
  }  
]
```

main
HaileInnoTech committed 2 days ago

Showing 1 changed file with 47 additions and 1 deletion.

```
  @@ -123,6 +123,7 @@ app.get("/counattendancebyemail", async (req, res) => {  
    123  123      date: date,  
    124  124      checkin: checkin,  
    125  125      checkout: checkout,  
    126 +       hourwork: hourwork,  
    126  127      });  
    127  128      if (hashMap[email]) {  
    128  129          hashMap[email]++;  
    151  152      }  
    152  153 +      }  
    153  154      }  
    154 -      data.push({ total: hashMap[req.query.email] });  
    155 +      if (!data.length) {  
    156 +          data.push({ message: "No data found" });  
    157 +      }  
  }
```

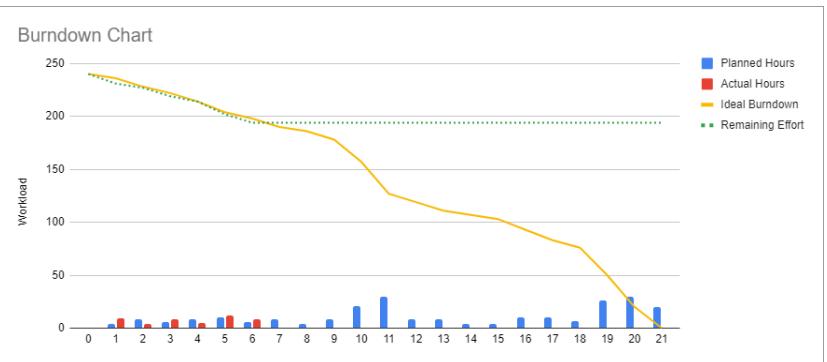
```

210 +
211 +   app.get("/employeesalarybyemail", async (req, res) => {
212 +     doc = await authenticateWithGoogle();
213 +     const data = [];
214 +     const emaillookup = req.query.email;
215 +     sheet = doc.sheetsByIndex[4];
216 +     const rows = await sheet.getRows();
217 +     for (let i = 0; i < rows.length; i++) {
218 +       const email = rows[i].get("email");
219 +       if (emaillookup === email){
220 +         const id = rows[i].get("id");
221 +         const base_salary = rows[i].get("base_salary");
222 +         const total_work_hour = rows[i].get("total_work_hour");
223 +         let bonus = rows[i].get("bonus");
224 +         if(bonus === ""){
225 +           bonus = 0;
226 +         }
227 +         const actual_payment = rows[i].get("actual_pay");
228 +         data.push({
229 +           id: id,
230 +           email: email,
231 +           base_salary: base_salary,
232 +           total_work_hour: total_work_hour,
233 +           bonus: bonus,
234 +           actual_payment: actual_payment,
235 +         });
236 +       }
237 +     }
238 +     if (!data.length) {
239 +       data.push({ message: "No data found" });
240 +     }
241 +     try {
242 +       res.status(200).json(data);
243 +     } catch (err) {
244 +       res.status(400).send("Cannot get data");
245 +     }
246 +
247 +
248 +   });

```

Burndown chart

| Sprint 1 | | | | | |
|----------|-------------|--------|----------|--------|-----------------|
| Day | Burned Down | | Balance | | Daily Completed |
| | Estimate | Actual | Estimate | Actual | |
| 0 | 0 | 0 | 240 | 240 | 0 |
| 1 | 4 | 9 | 236 | 231 | 9 |
| 2 | 8 | 4 | 228 | 227 | 4 |
| 3 | 6 | 8 | 222 | 219 | 8 |
| 4 | 8 | 5 | 214 | 214 | 5 |
| 5 | 10 | 12 | 204 | 202 | 12 |
| 6 | 6 | 8 | 198 | 194 | 8 |
| 7 | 8 | | 190 | 194 | |
| 8 | 4 | | 186 | 194 | |
| 9 | 8 | | 178 | 194 | |
| 10 | 21 | | 157 | 194 | |
| 11 | 30 | | 127 | 194 | |
| 12 | 8 | | 119 | 194 | |
| 13 | 8 | | 111 | 194 | |
| 14 | 4 | | 107 | 194 | |
| 15 | 4 | | 103 | 194 | |
| 16 | 10 | | 93 | 194 | |
| 17 | 10 | | 83 | 194 | |
| 18 | 7 | | 76 | 194 | |
| 19 | 26 | | 50 | 194 | |
| 20 | 30 | | 20 | 194 | |
| 21 | 20 | | 0 | 194 | |



Daily meeting minute

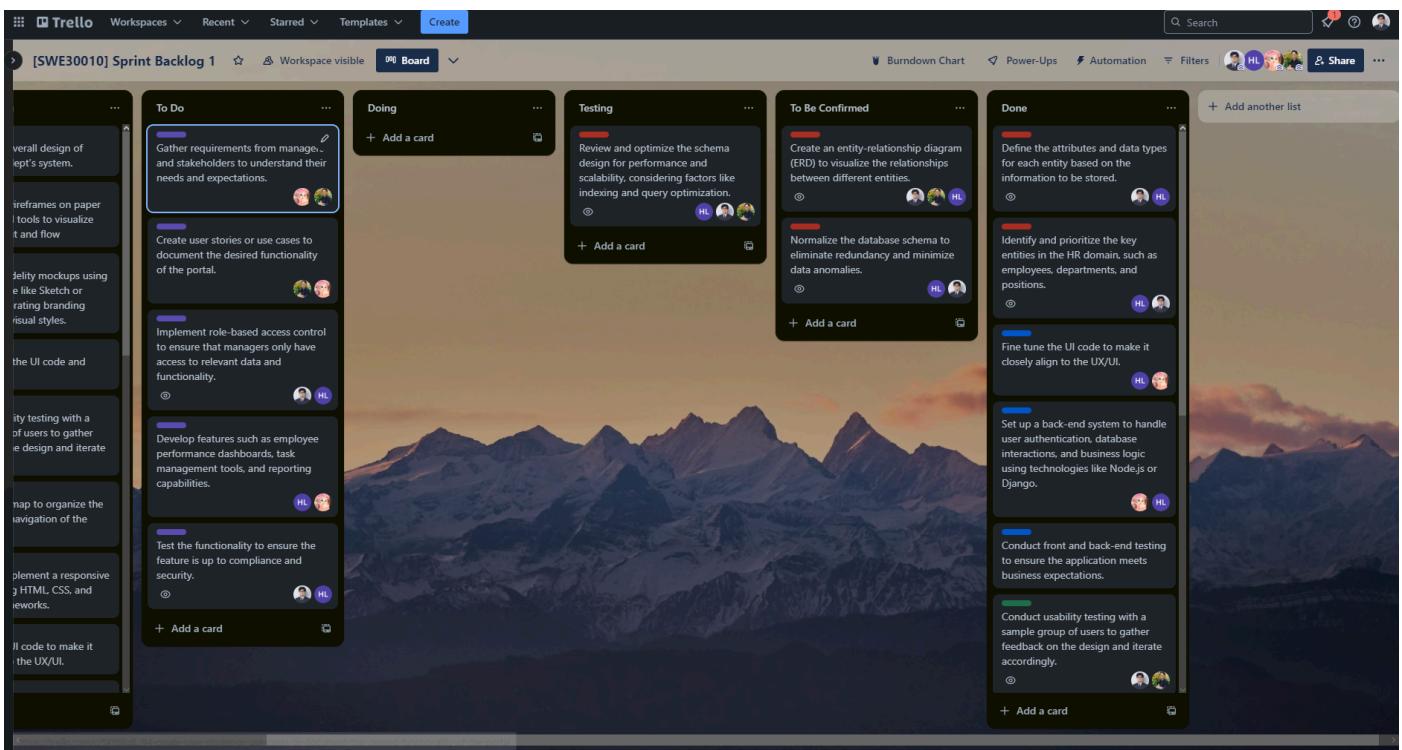
| Status | Description | Count |
|-----------------|---|-------|
| Item Done | N/A | 0/3 |
| Item Testing | N/A | 0/3 |
| Item Confirming | Identify and define the attributes and data types for each HRM entity based on the information to be stored. | 2/3 |
| Item Not Done | ERD Creation, this task takes a long time as ERD designers need to take a lot of consideration into account to create a good model. | 1/3 |
| Next step | Review the initial version of the ERD, import some employee data and perform normalisation on it | |

b. Day 7

Tasks Sign Up

| Item | Description | Member |
|--|---|------------------------------------|
| Review of ERD. | Make sure the first database design is adequate, this step can take some time as the reviewer must ensure correct association between entities. | Nhat Minh Nhat Huy Hoang Hai |
| Normalize the database schema. | We identify entities, define attributes, establish primary keys, and apply normalization rules to ensure data integrity and optimize performance to organise a database schema to eliminate redundancy and minimize data anomalies. | Hoang Hai Nhat Minh |
| Review and optimize the schema design. | Our team optimises the query statements and or the apis code to make sure the website can function as optimised as possible, i.e., faster and more reliable. | Nhat Minh Nhat Huy Hoang Hai |

Trello task board update



Github repository

Commit

Update api to set bonus by employee email

main

 HaileInnoTech committed 2 days ago

Showing 1 changed file with 28 additions and 7 deletions.

```

diff --git a/index.js b/index.js
@@ -154,10 +154,8 @@ app.get("/counattendancebyemail", async (req, res) => {
 154   154     }
 155   155     if (!data.length) {
 156   156       data.push({ message: "No data found" });
 157 -  }
 158 - else{
 157 + } else {
 159   158     data.push({ total: hashMap[req.query.email] });
 160 - -
 161   159   }
 162   160
 163   161   try {
@@ -216,12 +214,12 @@ app.get("/employeesalarybyemail", async (req, res) => {
 216   214     const rows = await sheet.getRows();
 217   215     for (let i = 0; i < rows.length; i++) {
 218   216       const email = rows[i].get("email");
 219 -      if (emaillookup === email){
 217 +      if (emaillookup === email){
 220   218         const id = rows[i].get("id");
 221 -      const base_salary = rows[i].get("base_salary");
 219 +      const base_salary = rows[i].get("base_salary");
 222   220         const total_work_hour = rows[i].get("total_work_hour");
 223   221         let bonus = rows[i].get("bonus");
 224 -      if(bonus === ""){
 222 +      if(bonus === ""){

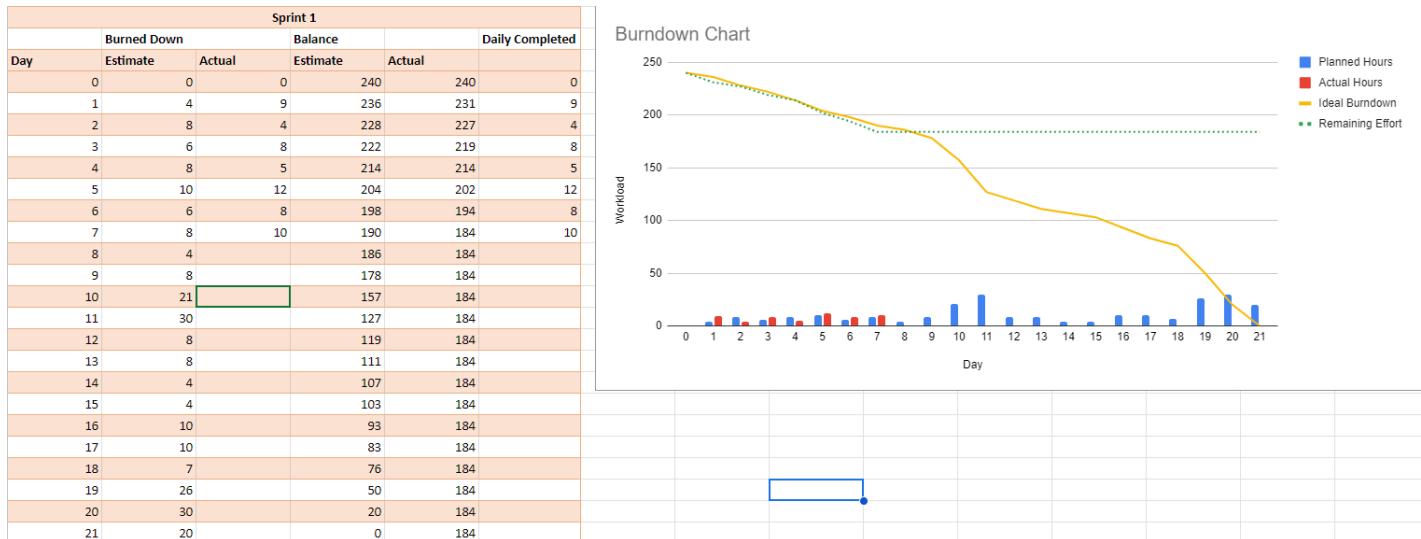
```

```

247
246 + app.post("/updateemployeebonus", async (req, res) => {
247 +   doc = await authenticateWithGoogle();
248 +   const data = [];
249 +   const emaillookup = req.query.email;
250 +   const bonus_update = req.query.bonus;
251 +   sheet = doc.sheetsByIndex[4];
252 +   const rows = await sheet.getRows();
253 +   for (let i = 0; i < rows.length; i++) {
254 +     const email = rows[i].get("email");
255 +     if (emaillookup === email && emaillookup !== "" && bonus_update !== "") {
256 +       await sheet.loadCells("A1:F310");
257 +       const cell = await sheet.getCellByA1(`E${i + 2}`);
258 +       console.log(`E${i + 2}`);
259 +       console.log(cell.value);
260 +       cell.value = Number(bonus_update);
261 +       await sheet.saveUpdatedCells(); // save all updates in one call
262 +     }
263 +   }
264 +   try {
265 +     res.status(200).json("Update bonus successfully");
266 +   } catch (err) {
267 +     res.status(400).send("Cannot get data");
268 +   }
248 269 });

```

Burndown chart



Daily meeting minute

| Status | Description | Count |
|--------------|--|-------|
| Item Done | Identify and define HRM attributes to use in the database design | 2/5 |
| Item Testing | Review and optimize the schema design. | 1/5 |

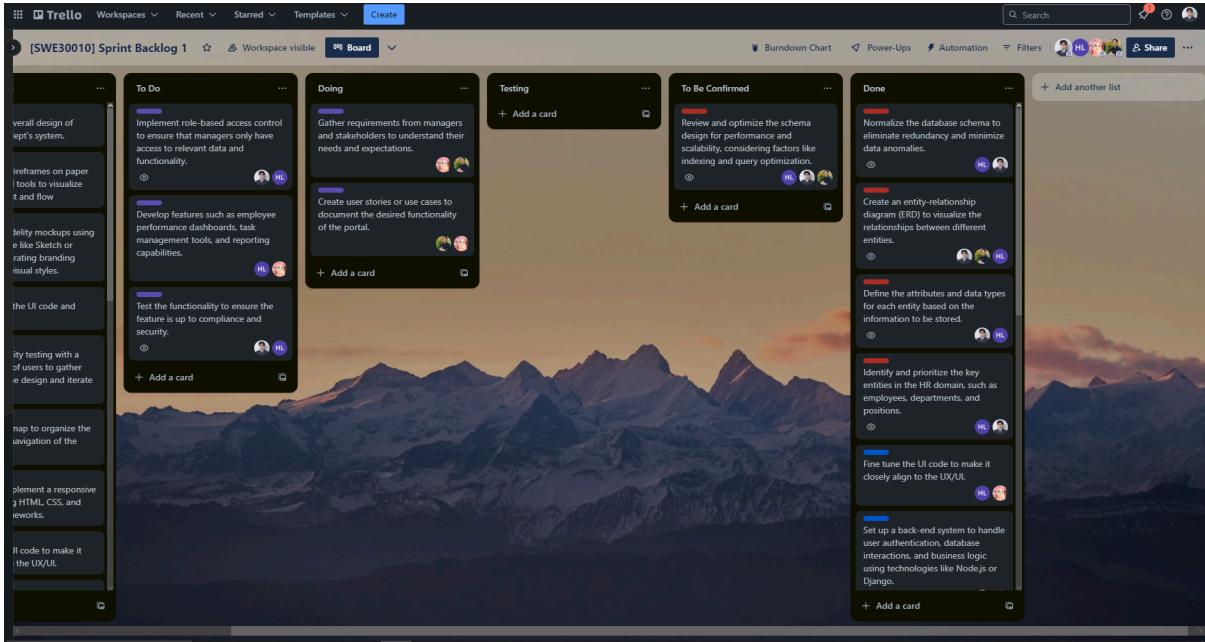
| | | |
|-----------------|--|-----|
| Item Confirming | Create an entity-relationship diagram (ERD). Normalize the database schema. | 2/5 |
| Item Not Done | N/A | 0/5 |
| Next step | Finish normalizing and optimizing the database as well as its relevant code. Start collecting insight to build the Manager Portal. | |

c. Day 8

Tasks Sign Up

| Item | Description | Member |
|---|---|------------------------------------|
| Finish the ERD schema | Continue working on the ERD to finalise it | Nhat Minh Nhat Huy Hoang Hai |
| Normalize the data in the database | Continue with cleaning and normalizing the data within the database for better consistency between functions | Nhat Minh Hoang Hai |
| Review and optimize the schema design. | We review the task at the end to make sure it functions well (those who did not do the coding well review the code, while the one to code will review the schema design). | Nhat Minh Nhat Huy Hoang Hai |
| Gather requirements from managers and stakeholders. | Our team will engage with managers and stakeholders to gather comprehensive requirements for the portal. As we need to ensure that the portal meets their specific requirements and delivers value to the users. | Nhat Huy Minh Thy |
| Create user stories or use cases to document the desired functionality of the portal. | We will review the requirements from managers and stakeholders then document the desired functionality of the portal through user stories or use cases. This will help us capture the requirements in a clear and structured manner, allowing for better communication and alignment between the development team and stakeholders. | Nhat Huy Minh Thy |

Trello task board update



Github repository

Commit

Update Mainpage based on sketch

main

HaileInnoTech committed 5 days ago

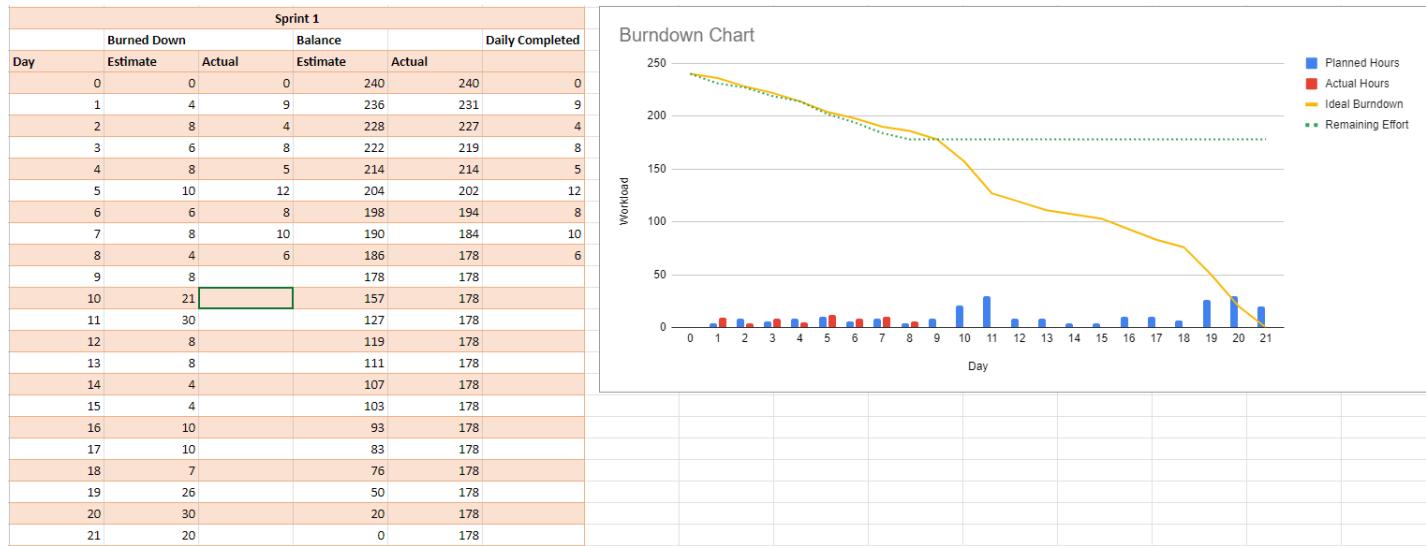
Showing 1 changed file with 2 additions and 2 deletions.

```
4 src/components/Pages/Mainpage.vue
```

| | | |
|-----|--|---------------------------------------|
| ... | ... | @@ -1,4 +1,4 @@ |
| 1 | - <!--> | <template> |
| 1 | + <template> | |
| 2 | <div class="relative isolate overflow-hidden bg-white py-10 sm:py-18"> | |
| 3 | <div class="mx-auto max-w-7xl px-6 lg:px-8"> | |
| 4 | <h2 | |
| ... | ... | @@ -39,4 +39,4 @@ setInterval(() => { |
| 39 | currentTime.value = new Date().toLocaleTimeString(); | |
| 40 | + currentTime.value = current; | |
| 41 | , 1000); | |
| 42 | - </script> | --> |
| 42 | + </script> | |

0 comments on commit 07b5ecc

Burndown chart



Daily meeting minute

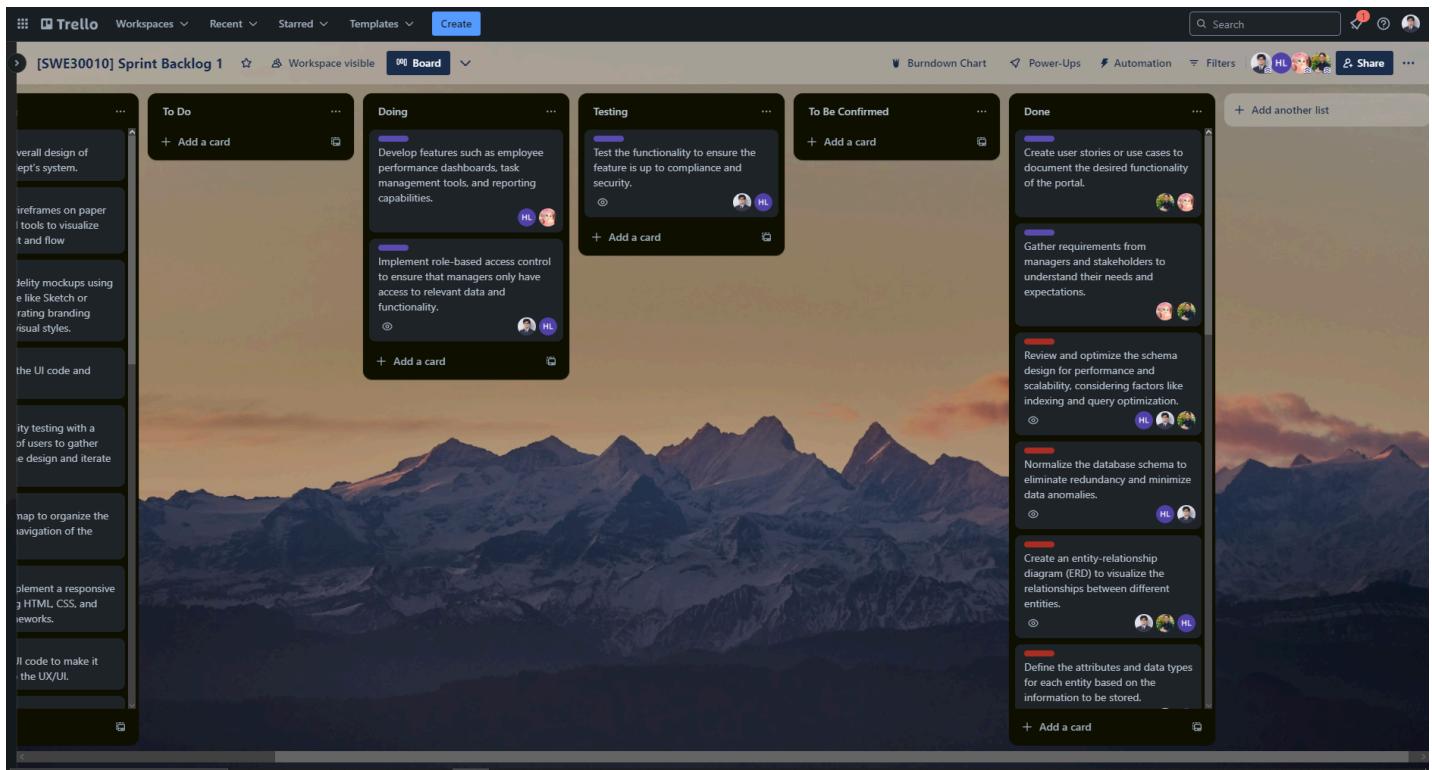
| Status | Description | Count |
|-----------------|---|-------|
| Item Done | Create and normalize the schema as well as the database. | 2/5 |
| Item Testing | N/A | 0/5 |
| Item Confirming | Review and optimize the schema design, basically fine tuning schema for better performance | 1/5 |
| Item Not Done | Gather requirements from managers and stakeholders. Create user stories or use cases to document the desired functionality of the portal. | 2/5 |
| Next step | As gathering requirements and creating user stories goes together, these tasks need to be done with one another, hence we need to finish them together next time. | |

d. Day 9

Tasks Sign Up

| Item | Description | Member |
|--|---|------------------------|
| Finish documenting and getting user's requirement | In order to develop the functions, we need this task to be done first. | Minh Thy Nhat Huy |
| Develop features such as employee performance dashboards, task management tools, and reporting capabilities. | These features will allow users to track performance metrics, manage their attendance, and generate insightful reports to support decision-making processes. We aim to enhance productivity and enable data-driven decision-making within the organization with the development of these functionalities. | Hoang Hai Minh Thy |
| Implement role-based access control to ensure that managers only have access to relevant data and functionality. | We perform this task as to ensure that only authorized managers have access to relevant information based on their roles and responsibilities, thereby enhancing data security and confidentiality. | Nhat Minh Hoang Hai |
| Test the functionality to ensure the feature is up to compliance and security. | Our team will test the functionality of the system to ensure it complies with regulatory requirements and adheres to security standards. | Nhat Minh Hoang Hai |

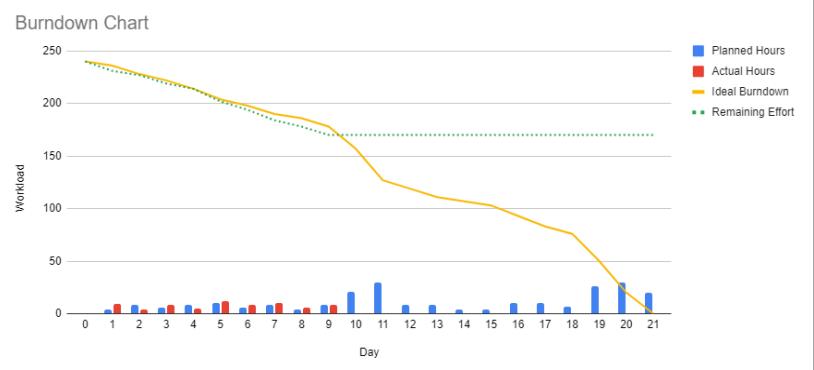
Trello task board update



Github repository

Burndown chart

| Sprint 1 | | | | | | |
|----------|-------------|--------|----------|--------|-----------------|----|
| | Burned Down | | Balance | | Daily Completed | |
| Day | Estimate | Actual | Estimate | Actual | | |
| 0 | 0 | 0 | 240 | 240 | 0 | 0 |
| 1 | 4 | 9 | 236 | 231 | 9 | 9 |
| 2 | 8 | 4 | 228 | 227 | 4 | 4 |
| 3 | 6 | 8 | 222 | 219 | 8 | 8 |
| 4 | 8 | 5 | 214 | 214 | 5 | 5 |
| 5 | 10 | 12 | 204 | 202 | 12 | 12 |
| 6 | 6 | 8 | 198 | 194 | 8 | 8 |
| 7 | 8 | 10 | 190 | 184 | 10 | 10 |
| 8 | 4 | 6 | 186 | 178 | 6 | 6 |
| 9 | 8 | 8 | 178 | 170 | 8 | 8 |
| 10 | 21 | | 157 | 170 | | |
| 11 | 30 | | 127 | 170 | | |
| 12 | 8 | | 119 | 170 | | |
| 13 | 8 | | 111 | 170 | | |
| 14 | 4 | | 107 | 170 | | |
| 15 | 4 | | 103 | 170 | | |
| 16 | 10 | | 93 | 170 | | |
| 17 | 10 | | 83 | 170 | | |
| 18 | 7 | | 76 | 170 | | |
| 19 | 26 | | 50 | 170 | | |
| 20 | 30 | | 20 | 170 | | |
| 21 | 20 | | 0 | 170 | | |



Daily meeting minute

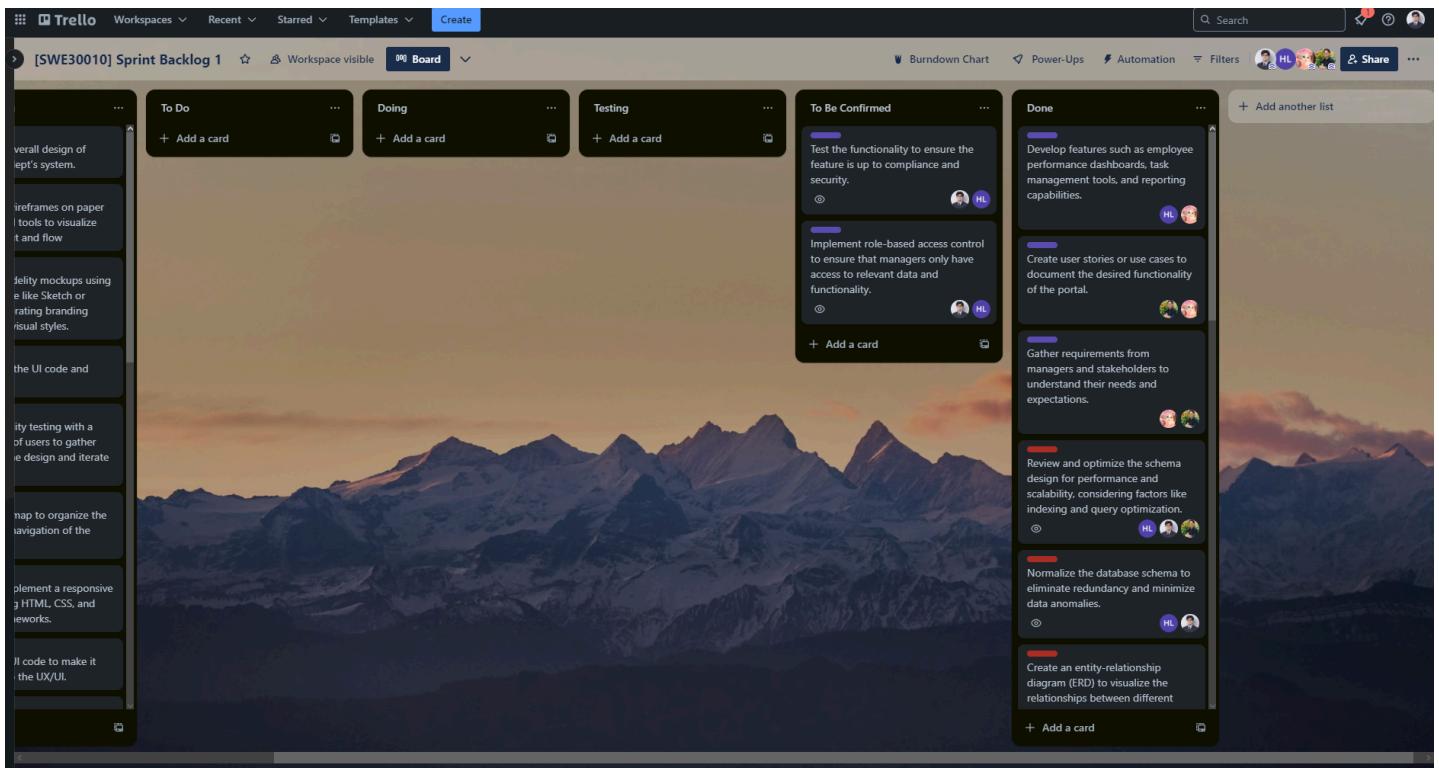
| Status | Description | Count |
|-----------------|--|-------|
| Item Done | Documenting users requirements | 1/4 |
| Item Testing | Test the functionality to ensure the feature is up to compliance and security. | 1/4 |
| Item Confirming | N/A | 0/4 |
| Item Not Done | Implement role-based access control to ensure that managers only have access to relevant data and functionality. Develop features such as employee performance dashboards, task management tools, and reporting capabilities. | 2/4 |
| Next step | Finish the website's functions, review testing result and website's security | |

e. Day 10

Tasks Sign Up

| Item | Description | Member |
|--|---|------------------------|
| Finish development of manager's functions | We need to ensure the functional aspect of the website to be developed before delivering it to the stakeholders, hence we need to make sure functions are completed | Hoang Hai Minh Thy |
| Test the functionality to ensure the feature is up to compliance and security. | Testing must be done to ensure functional correctness of the product. | Nhat Minh Hoang Hai |
| Implement role-based access control to ensure that managers only have access to relevant data and functionality. | Only Managers should have access to the Manager's portal and other unauthorised access should be limited to ensure data security and privacy. | Nhat Minh Hoang Hai |

Trello task board update



Github repository

The screenshot shows a GitHub commit page for the repository "HaileInnoTech / Gr2_Hr_Management_FE". The commit message is "Update Pagination for employee list". The commit was made by HaileInnoTech on the main branch 20 hours ago. The commit shows 10 changed files with 406 additions and 39 deletions. A red box highlights the commit message and author information. Another red box highlights the file tree on the left and the diff view on the right, specifically focusing on the package.json file changes.

Update employee data view

main

HaileInnoTech committed 20 hours ago

Showing 1 changed file with 2 additions and 2 deletions.

```

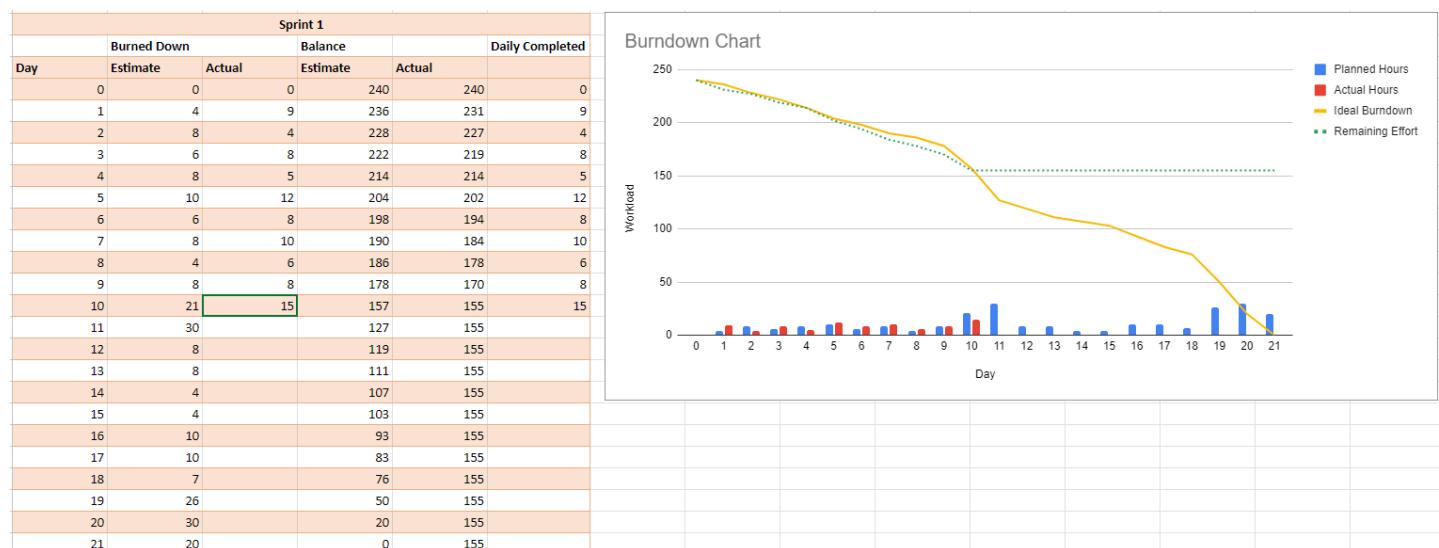
diff --git a/src/components/Pages/Individual.vue b/src/components/Pages/Individual.vue
--- a/src/components/Pages/Individual.vue
+++ b/src/components/Pages/Individual.vue
@@ -1,4 +1,4 @@
- <!-- <template>
+ <template>
<div class="relative isolate overflow-hidden bg-white py-10 sm:py-18">
<div class="mx-auto max-w-7xl px-6 lg:px-8">
<button
@@ -130,4 +130,4 @@ export default {
130   130   };
131  131   </script>
132  132
133 - <style></style> -->
+ 133 + <style></style>

```

0 comments on commit 616769d

 Write Preview

Burndown chart



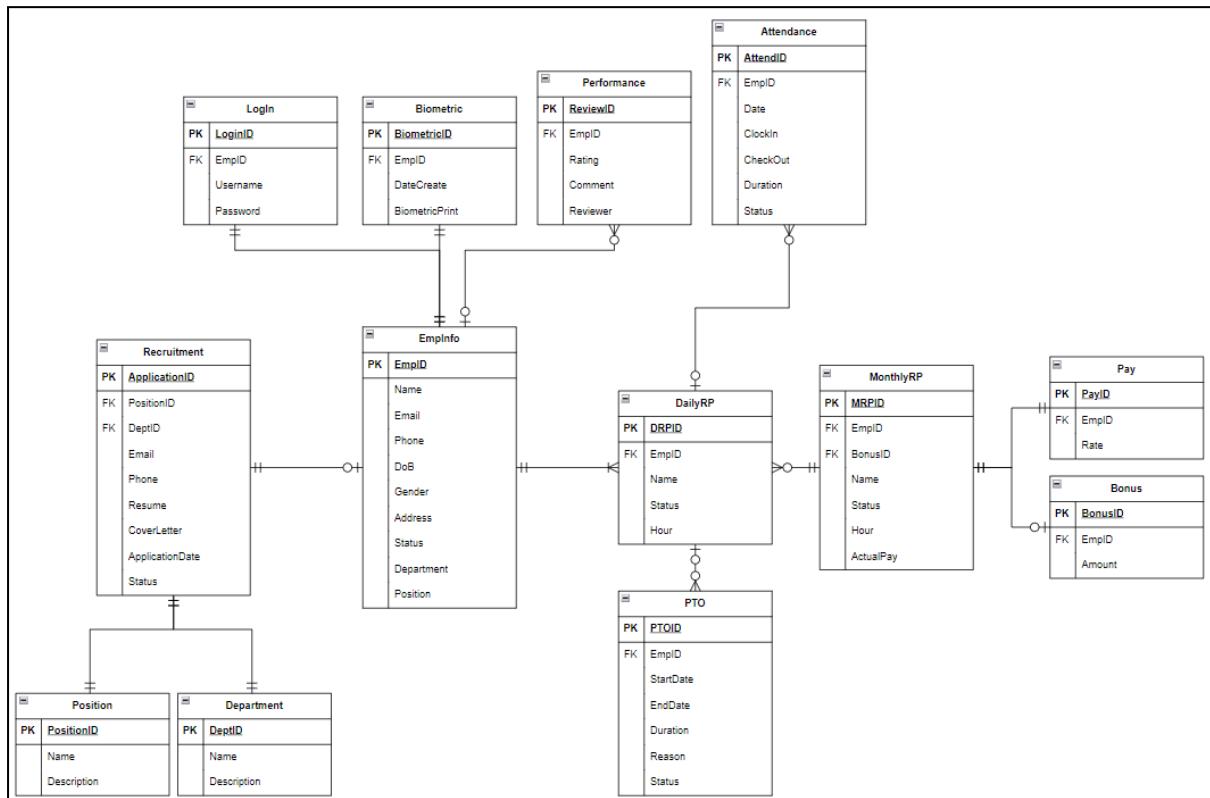
Daily meeting minute

| Status | Description | Count |
|-----------|---|-------|
| Item Done | Develop features such as employee performance dashboards, task management tools, and reporting capabilities | 1/3 |

| | | |
|-----------------|---|-----|
| Item Testing | N/A | 0/3 |
| Item Confirming | <p>Test the functionality to ensure the feature is up to compliance and security.</p> <p>Implement role-based access control to ensure that managers only have access to relevant data and functionality.</p> | 2/3 |
| Item Not Done | N/A | |
| Next step | | |

APPENDIX

HRM website's ERD



Desired Database Design for HRM system

Manager Portal's View

The screenshot shows the Manager Portal's Employee Manager view. At the top, there is a navigation bar with the GEMADEPT logo, 'THE WAY FORWARD', and links for 'Employee Manager', 'Recruitment', 'Reporting & Analysis', and icons for home, user, and logout. Below the navigation bar is a banner image of a port with a large ship and several trucks. The main title 'Employee Manager' is centered above a grid of employee profiles. The grid is organized into two rows of four columns each. Each profile card contains a placeholder icon, the title 'Employee Name', and fields for 'Department' and 'Position'. Underneath each card are fields for 'Address', 'Phone', and 'Email', each with a 'View Profile' link. At the bottom right of the grid is a page navigation bar showing 'Page 1 of 21' and a set of numbered arrows.

| Employee Name | Department | Position | |
|------------------------------|------------------------------|------------------------------|------------------------------|
| Employee Name | Department | Position | |
| Address: | Address: | Address: | Address: |
| Phone: | Phone: | Phone: | Phone: |
| Email: | Email: | Email: | Email: |
| View Profile | View Profile | View Profile | View Profile |

| Employee Name | Department | Position | |
|------------------------------|------------------------------|------------------------------|------------------------------|
| Employee Name | Department | Position | |
| Address: | Address: | Address: | Address: |
| Phone: | Phone: | Phone: | Phone: |
| Email: | Email: | Email: | Email: |
| View Profile | View Profile | View Profile | View Profile |

Page 1 of 21

...

Employee Management Window (Manager View)

Payroll Management Window (Manager View)

Bonus Editing Window (Manager View)