

SiteSync

SiteSync

SiteSync Site Management

Team Number 13

- Anthony Mancina (N01643670)
- Chris Garcia(N01371506)
- Ngoc Le (N01643011)
- Tyler Meira (N01432291)

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7 Team Contract (from CENG-322_TEAM_contract_v2.0)

CENG-322 TEAM PROJECT

Team Name: SiteSync

Team Number: Group 13

Project Name: Sitesync Site Management

Please negotiate, sign, scan and include as the first section in your Deliverable 1.

Please note that if cheating is discovered in a group assignment each member will be charged with a cheating offense regardless of their involvement in the offense. Each member will receive the appropriate sanction based on their individual academic honesty history.

Please ensure that you understand the importance of academic honesty. Each member of the group is responsible to ensure the academic integrity of all of the submitted work, not just their own part. Placing your name on a submission indicates that you take responsibility for its content. For further information read Academic Honesty Policy on <https://humber.ca/legal-and-risk-management/policies/search-by-students.html>.

| Team Member Names (Please Print) | Signatures | Student ID | Github Id |
|----------------------------------|----------------|------------|-----------|
| Project Leader: | Anthony Mancia | N01643670 | 195244864 |
| | Tyler Meira | N01432291 | 95157172 |

| | | | |
|--|--------------|-----------|-----------|
| | Chris Garcia | N01371506 | 196109735 |
| | Ngoc Le | N01643011 | 157065810 |

By signing this contract, we acknowledge having read the Humber Academic Honesty Policy as per the link below.

<https://academic-regulations.humber.ca/2018-2019/17.0-ACADEMIC-MISCONDUCT>

Responsibilities of the Project Leader include:

- Assigning tasks to other team members, including self, in a fair and equitable manner.
- Ensuring work is completed with accuracy, completeness and timeliness.
- Planning for task completion to ensure timelines are met
- Any other duties as deemed necessary for project completion

What we will do if . . .

| Scenario | Accepted initials | We agree to do the following |
|--|----------------------|--|
| Team member does not deliver component on time due to severe illness or extreme personal problem | TM CG AM NL | a) Team absorbs workload temporarily ____ d) Other: |
| Team member cannot deliver component on time due to lack of ability | TM AM CG NL | a) Team reassigns component ____ b) Team helps member ____ c) Team "fires" team member by not permitting his/her name on submission ____ |

| Scenario | Accepted initials | We agree to do the following |
|--|----------------------|---|
| | | d) Other: |
| Team member does not deliver component on time due to lack of effort | AM NL TM CG | a) Team absorbs workload ____ b) Team "fires" team member by not permitting his/her name on submission ____ c) Other: |
| Team member does not attend team meeting | AM NL TM CG | a) Team proceeds without him/her and will assign work to the absent member ____ b) Team doesn't proceed and records team member's absence ____ c) Team proceeds for that meeting but "fires" member after ____ occurrences ____ |
| An unforeseen constraint occurs after the deliverable has been allocated and scheduled (a surprise test or assignment) | AM NL TM CG | a) Team meets and reschedules deliverable ____ b) Team will cope with constraint ____ |

| Scenario | Accepted initials | We agree to do the following |
|---|----------------------|--|
| | | c) Other: |
| Team cannot achieve consensus leaving one member feeling "railroaded", "ignored", or "frustrated" with a decision which affects all parties | AM NL TM CG | a) Team agrees to abide by majority vote ____ b) Team flips coin ____ c) Other: |
| Team members do not share expectations for grade desired | AM NL TM CG | a) Team will elect one person as "standards-bearer" who has the right to ask that work be redone ____ b) Team votes on each submission's quality ____ c) Team will ask for individual marking and will identify sections by author ____ d) Other: |
| Team member behaves in an unprofessional manner by being rude or uncooperative | AM NL CG TM | a) Team attempts to resolve the issue by airing the problem at team meeting ____ b) Team ignores behaviour ____ |

| Scenario | Accepted initials | We agree to do the following |
|---|----------------------|---|
| | | <p>c) Team agrees to avoid use of all vocabulary inappropriate to the business setting ____</p> <p>d) Team fires the team member.</p> |
| Team member assumes or requests that his/her name be signed to a submission but has not participated in production of the deliverable | AM NL CG TM | <p>a) Team agrees that this is cheating and is unethical ____</p> <p>b) Friends are friends and should help each other ____</p> <p>c) That person name will not be put on the submission._</p> |
| There is a dominant team member who is content to make all decisions on the team's behalf leaving some team members feeling like subordinates rather than equal members | AM NL CG TM | <p>a) Team will actively solicit consensus on all decisions which affect project direction by asking for each member's decision and vote ____</p> <p>b) Team will express subordination feelings and attempt to resolve issue ____</p> <p>c) Other:</p> |
| Team has a member who refuses to participate in decision making but | AM NL CG | <p>a) Team forces decision sharing by routinely voting on all issues ____</p> |

| Scenario | Accepted initials | We agree to do the following |
|--|-------------------|--|
| complains to others that s/he wasn't consulted | | b) Team routinely checks with each other about perceived roles ____ c) Team discusses the matter at team meeting ____ |

8 The signature of each student who participated in the work (team members who did not participate and where their signature is missing will get 0.

Chris Garcia(N01371506)



Anthony Mancina (N01643670)



Ngoc Le (N01643011):



Tyler Meira (N01432291):

A handwritten signature in black ink, appearing to read 'te' followed by a stylized flourish.

10 Create Google Play Developer Account, take a screenshot


showing an account has been approved and created (one or more members).

<https://support.google.com/googleplay/android-developer/answer/6112435?hl=en#zippy=>

Developer account

Manage information about you and this developer account





































About you























| | |
|------------------------|--|
| Account type |  Personal |
| Developer account ID | 9200476870466060221 |
| Developer name | SiteSync |
| Legal name and address | Anthony Mancia |

11 Link GitHub Repo. All members must contribute to the repo.

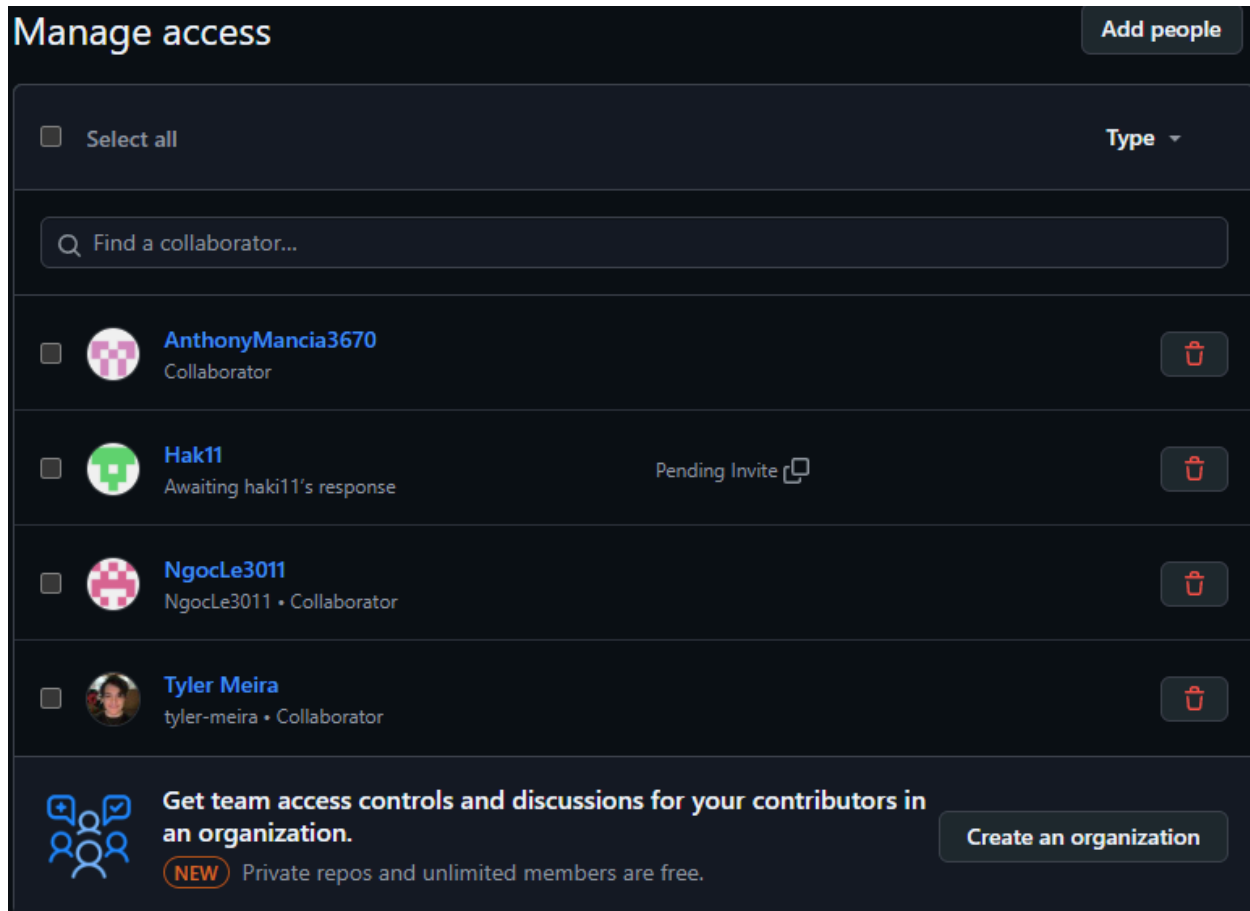
Repo Link: <https://github.com/ChristopherGarcia1506/SiteSync.git>

12 Each member must have a minimum of three commits.

| | |
|---|---|
| Added navigation drawer and change main activity layout  NgocLe3011 committed 2 hours ago | 9583fad   |
| added splash screen  ChristopherGarcia1506 committed 2 hours ago | a9175ee   |
| Create a fragment called job board and blank layout file with it also create a folder called menu that includes icons showing on the drawer.  NgocLe3011 committed 3 hours ago | c29f134   |
| Added Project name and team names into .git ignore file, and removed module .gitignore file  ChristopherGarcia1506 committed 7 hours ago | cd5ac0d   |
| Changed Homescreen icon  ChristopherGarcia1506 committed 8 hours ago | 022f8f5   |
| Commits on Sep 16, 2025 | |
| Added group info on Java and sting files that we have so far  AnthonyMancia3670 committed yesterday | 2024507   |
| added French strings.xml file  AnthonyMancia3670 committed yesterday | d2daa2f   |
| Tesing git  AnthonyMancia3670 committed yesterday | 70a3c62   |
| Updated Git Ignore  TylerMeira2291 committed yesterday | 0ec1da3   |
| Added README.md  TylerMeira2291 committed yesterday | 79a8746   |
| init  TylerMeira2291 committed yesterday | f10bae5   |
| init  TylerMeira2291 committed yesterday | 5a4ea8d   |

| | | |
|--|---------|---|
| Commits on Sep 18, 2025 | | |
| Updated the stings.xml file | ad55bd5 |   |
| AnthonyMancia3670 committed 2 days ago | | |
| Added toolbar and app is able to show drawer now. | f6ba4c1 |   |
| NgocLe3011 committed 2 days ago | | |
| Added back button functionality, with proper logo. | 155f848 |   |
| TylerMeira2291 committed 2 days ago | | |
| Commits on Sep 17, 2025 | | |
| Added navigation drawer and change main activity layout | 9583fad |   |
| NgocLe3011 committed 3 days ago | | |
| added splash screen | a9175ee |   |
| ChristopherGarcia1506 committed 3 days ago | | |
| Create a fragment called job board and blank layout file with it also create a folder called menu that includes icons showing on the drawer. | c29f134 |   |
| NgocLe3011 committed 3 days ago | | |
| Added Project name and team names into .git ignore file, and removed module .gitignore file | cd5ac8d |   |
| ChristopherGarcia1506 committed 3 days ago | | |
| Changed Homescreen icon | 022fbf5 |   |
| ChristopherGarcia1506 committed 3 days ago | | |
| Commits on Sep 20, 2025 | | |
| Fixed project logo in readme file | 54e5b7c |   |
| NgocLe3011 committed 1 minute ago | | |
| Updated readme file | 7303b1e |   |
| NgocLe3011 committed 2 minutes ago | | |
| now has a animation run during the splash screen showing our logo | 23442d6 |   |
| AnthonyMancia3670 committed 1 hour ago | | |

13 Screenshot of github invitation.



14 Project Background and Description:

1. Describe the project goals and final vision.

Our project's vision is to seamlessly connect contractors and employers while giving the employers a medium to hold the contractors accountable for their work, and the hardware to make it possible.

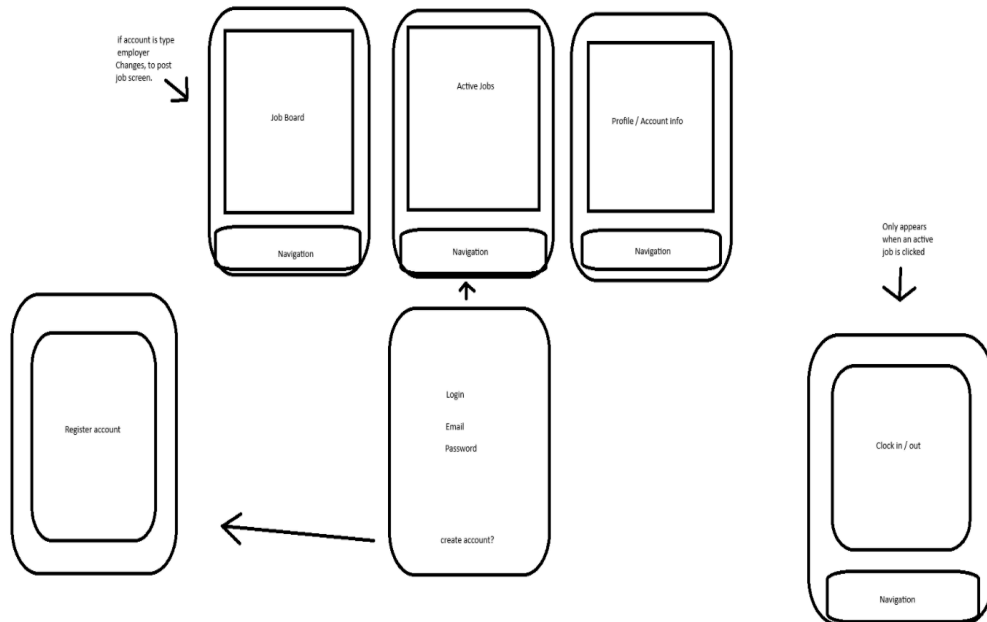
2. Describe the software aspect and hardware.

The Hardware aspect of project, is a portable device, that the employer can purchase to put on their jobsite, when the employee starts the job they will have to use our device to clock in and out using their fingerprint,

The software aspect of our project is an app that helps connect the employer and employee, via a job board, the app will also allow the employer to check clock in and out times, and check the device's camera to make sure it was actually who they claim to be at the job site.

3. Describe the screen flows.

Our landing screen on app launch is the login screen, which will ask the user to login or create an account, if they have an account the user will login then land on the active jobs screen, which will display of the users current jobs, at the bottom of this screen will have three navigation options, job postings, active jobs and profile, when a user clicks on one of their active jobs they will be brought to another screen of details about that jobs, and their clock in and out information.



4. How you incorporated the feedback provided through the interview.

We've incorporated the feedback provided through the interview by not only targeting a specific type of job market for our project, and making it more accessible to different types of jobs, such as warehouse jobs etc.

5. Demonstrate how you are planning to read / write from the DB which is hosted on the cloud.

We plan to satisfy the read-write from a db requirement by saving the user's login information and account type on the server then pulling that data when the user goes to login to the app.

15 Project Scope: Describe the technical scope of the project by talking about the project plan, and how you will know when the project is complete.

The scope of our project is a fully functional app, that allows different account types to make / accept job postings, then allow those accounts to clock in and out of those jobs to keep track of hours worked up until project completion.

16 Describe how to integrate the software with the hardware components.

Our hardware components will send the timestamp of when the employee got to the jobsite and send them to our server then that information will be displayed via our app to the employee and employer.

17 Project layout: write how you plan to implement a Navigation Drawer, and combine it with another layout.

The Navigation Drawer will be implemented to provide access with the main sections of the application, such as: Home, Profile, Settings and Help. This section will slide from the left side of the screen. The main content area will be designed using ConstraintLayout. This will provide flexibility when implementing UI Elements

How to use them, why to use, use cases of existing applications that u list them. one vs the others, and use cases of existing apps that use the above.

How To use them:

Navigation Drawer:

The Navigation Drawer is placed inside a DrawerLayout as the main container. A NavigationView holds the menu items(Home,Profile). When a user selects a menu item the main screen updates to show the matching fragment or activity.

Constraint Layout:

used as the main area of the activity. Flexibly allows us to position UI elements. Such as : buttons, text, images.

Why To use them:

Navigation Drawer:

We will need this as our app will have to contain different destinations that the user will need to access

Constraint layout:

constraint layout will allow us to have more flexibility when developing our UI elements

18 Write Minimum of 1 theme: for the Theme write: 1. Two epics, 3 stories for each epic, 3 tasks for each story.

Theme: Enable employers and employees to track their working hours.

Epic 1: Fingerprint Login & Attendance Tracking

Story 1: As an employee, I want to scan my fingerprint at the site's login machine, so that my attendance is recorded securely.

Task 1: Connect the login machine hardware to the backend system

Task 2: Store fingerprint scan time as a login timestamp in the database

Task 3: Confirm successful login via the mobile app

Story 2: As an employee, I want to scan my fingerprint at the end of the day, so that my logout time is recorded and my total hours are calculated.

Task 1: Capture logout fingerprint scan and store timestamp

Task 2: Backend calculates daily worked hours from login/logout

Task 3: Display confirmation of logout in the mobile app

Story 3: As a site manager, I want to see a live list of employees currently clocked in, so that I know who is on-site.

Task 1: Build a manager dashboard in the mobile app

Task 2: Query database for employees with a login but no logout

Task 3: Refresh the dashboard automatically (e.g., every few minutes)

Epic 2: Attendance Records & Reporting

Story 1: As a site manager, I want to generate daily attendance reports from fingerprint data, so that I can review site activity.

Task 1: Build a reporting module to pull logs from database

Task 2: Format reports into PDF/CSV for easy sharing

Task 3: Add option to email or export reports directly from the app

Story 2: As an employee, I want to see my personal fingerprint login history, so that I can confirm my hours are recorded correctly.

Task 1: Create “My Attendance” screen in the app

Task 2: Display individual login/logout records

Task 3: Add filters (by date, by site location)

Story 3: As a site manager, I want to detect missing fingerprint scans, so that I can identify employees who forgot to log in or log out.

Task 1: Backend checks for unpaired login/logout entries

Task 2: Flag missing entries in manager’s dashboard

Task 3: Send push notifications/reminders to affected employees