CENG 322
Deliverable 1

<u>Team: The DJKM</u>

<u>Project :The Smart Lock</u>

<u>Team Members</u>

· Dillon Permaul N01372657

· Janpreet Singh N01361405

· Kamaljit Mahal N01377647

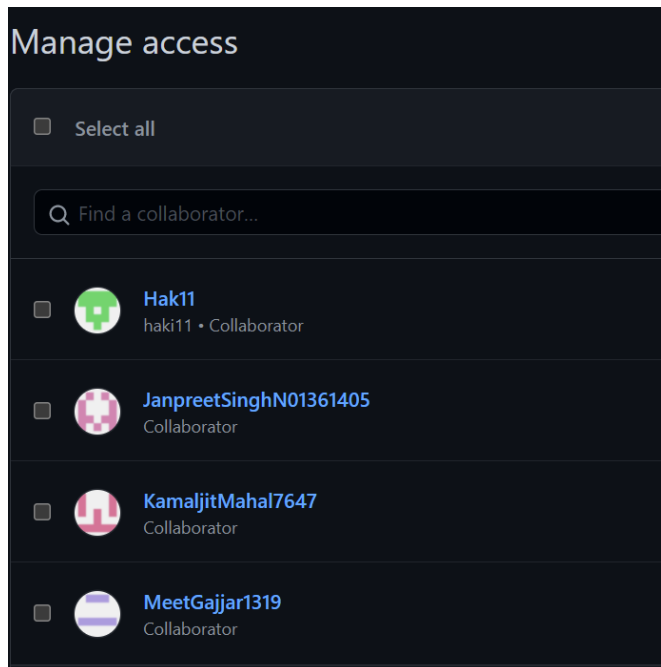· Meet Gajjar N01391319

GitHub Repository Link:

https://github.com/dillonPermaul2657/TheSmartLock.git

Screenshot of github invitation:

Table of Contents

Project Background and Description

The project is a smart lock that can be unlocked and locked using a mobile device and a RFID Card. This can be used in people's everyday lives as many people tend to lose their keys or the combinations to locks. This smart lock is very convenient and user friendly as all you need to unlock the lock is either your mobile device or an RFID Card.

App features Include:

- Lock and Unlock the door
- Displays Weather
- Displays time and date
- Set the duration of locked and unlock time (Scheduled Times)
- Track the amount of times door has been locked and unlocked by user
- User screen(number of users allow to lock/unlock the door)

Team Name: <u>The DJKM</u>

Project Name: <u>The Smart Lock</u>

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.

Team Member Names (Please Print)	Signatures	Student ID
Project Leader: Kamaljit Mahal	*Kamaljit*	N01377647
Janpreet Singh	*Janpreet*	N01361405

Dillon Permaul	D.Permaul	N01372657
Meet Gajjar	Meet.	N01391319

For further information read Academic Honesty Policy on
https://humber.ca/legal-and-risk-management/policies/search-by-students.html.

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	D.P J.S M.G K.M	a) Team absorbs workload temporarily __ b) **Team seeks advice from professor __** c) Team shifts target date if possible __ d) Other:
Team member cannot deliver component on time due to lack of ability	D.P J.S M.G K.M	a) Team reassigns component __ b) **Team helps member __** c) Team member must ask professor for reference material __ d) Other:

Team member does not deliver component on time due to lack of effort	D.P J.S M.G K.M	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	D.P J.S M.G K.M	**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)	D.P J.S M.G K.M	**a) Team meets and reschedules deliverable __** b) Team will cope with constraint __ c) Other:
Team cannot achieve consensus leaving one member feeling "railroaded", "ignored", or "frustrated" with a decision which affects all parties	D.P J.S M.G K.M	**a) Team agrees to abide by majority vote __** b) Team flips coin __ c) Other:

Team members do not share expectations for grade desired	D.P J.S M.G K.M	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	D.P J.S M.G K.M	**a) Team attempts to resolve the issue by airing the problem at team meeting __** b) Team requests meeting with professor to problem-solve __ c) Team ignores behaviour __ d) Team agrees to avoid use of all vocabulary inappropriate to the business setting __

Team member assumes or requests that his/her name be signed to a submission but has not participated in production of the deliverable	D.P J.S M.G K.M	a) Team agrees that this is cheating and is unethical __ b) Friends are friends and should help each other __ **c) Team will submit with signature but will advise professor who will take action __**
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	D.P J.S M.G K.M	a) Team will actively solicit consensus on all decisions which affect project direction by asking for each member's decision and vote __ **b) Team will express subordination feelings and attempt to resolve issue __** c) Other:

Team has a member who refuses to participate in decision making but complains to others that s/he wasn't consulted	D.P J.S M.G K.M	a) Team forces decision sharing by routinely voting on all issues __ b) Team routinely checks with each other about perceived roles __ **c) Team discusses the matter at team meeting __**

Theme

The theme of our project is to help innovate and improve home security by modernizing the door lock to keep up with the world of IOT and smart devices.

Epic

In order to innovate the door lock we would use a mobile app on a smart device to control the door lock, which can be used to lock and unlock the door anywhere with an internet connection and also can display important information.

Stories

- Develop a mobile app with a user interface to lock and unlock the door.
- Displays time, date and temperature in a welcome screen
- Set the duration of locked and unlock time in a schedule tab
- The user screen will display the number of users(family members) who are allowed to lock/unlock the door.

Project Scope:

We are planning to finish this software project before the due dates or even earlier than the project deadline. The work is equally divided among the team members. Every week, we are going to do a group meeting to discuss the project task. If there are any unusual circumstances or sickness, every team member will make sure to make the project get back on track.