



Calc U L8r (Name Pending)

By: The Calculator App Team



Jacob Lockwood

- 2 year at GVSU
- CS major
- Currently work at a restaurant
- Responsible for the Calculus portion of the app
- Hobbies
 - Basketball
 - Billiards
 - Classic games
 - Pac-man
 - Mario



Kameron Freeman

- Currently a junior in Computer Science
- I am responsible for the graphing calculator
- Hoobies
 - Working out
 - Gaming
 - Overthinking
 - Spending 10+ minutes on a short intro slide
- Hoping to get an internship this summer as a Web Application Developer



Donovan Heynen

- Senior at GVSU
- Majoring in Computer Engineering
- Minorng in Computer Science and Math
- Hoobles
 - I play on the GVSU Club Volleyball team
 - I like long walks on the beach
 - Procrastination
- Currently Responsible for the Basic Calculator Portion
- Hoping to start my engineering co-op this summer as a Embedded Engineer



Alexander Klein

- Junior in Computer Science.
- I am the Step-by-Step and Hypergeometric Leader.
- Hooblies
 - Games (Table Top and Video Games)
 - Biking
 - Golfing
 - Playing Trumpet and Singing
- Hoping to get a job as a Software Engineer.
- Currently work at Menards (hit me up).



Elevator Pitch

The goal of our project is to create a mathematical application that is geared towards college students. This will have many features including graphing, step by step solutions, and much more. We want our project to be ready for you as soon as we can, so when we first release the app, it may seem simple, but we will be adding new features every 2-3 weeks.



“Completed” Parts

- Seamless Menu Navigation
- Step-by-Step
- Hypergeometric Calculator
- Graphing Calculator (Linear Functions)
- Basic Calculator



Upcoming Features

- Graphing Calculator (Sine/Cosine/etc. Implemented within the next week)
- Graphing Calculator (Solves systems of equations within 2-3 weeks)
- Calculus (Implemented within the next 3-4 weeks)
- Step-by-Step (More equations added before final ship date)



Use-Case Description (Part 1)

Use Case: Show Graph

Actors: User(initiator)

Description: (Ordered)

1. User presses "Show Graph" button.
2. App takes inputted function(s) from input boxes.
3. App calculates what the graph(s) will look like.
4. App displays the graph(s) on the screen in the allotted window.

Cross Reference: F-5-i, F-5-iii, N-5-i, N-5-ii

Use-Cases: User must have navigated to the calculus feature and inputted (a) function(s).



Use-Case Description (Part 2)

Use Case: Select Function Option

Actors: User (initiator)

Description: (Ordered)

1. User enters Calculus feature of app
2. User selects a function option
3. User inputs function

Cross Reference: F-5-i, F-5-ii, F-5-iii, N-5-i, N-5-ii

User-Cases: User must have navigated to the calculus feature and inputted (a) function(s).



Use-Case Description (Part 3)

Use Case: Input function

Actors: User (initiator)

Description: (Ordered)

1. User inputs function into an input box
2. User selects a function option to simplify their input

Cross Reference: F-5-i, F-5-ii, F-5-iii, NF-5-ii

User-Cases: User must have navigated to the Calculus feature.

Now for... the Demo....



8:09



CalculatorApp

CALCULATOR APP

BASIC CALCULATOR

STEP BY STEP

GRAPHING CALCULATOR

CALCULUS

HYPERGEOMETRIC CALCULATOR

RECORDED WITH

SCREENCAST



MYTIC