# ETERNITY

A Web app Calculator


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Introduction to Software Engineering


## Introduction

Eternity is an intuitive and easy to use web app calculator that offers all of the simple everyday calculation functions, with the addition of some unique features and customization.

## Objective

Create a calculator software based on your feedback. We have interviewed and adapted our approach based on ideas and needs of many different types of users.

## Web App Advantages

- Accessible on any device with an Internet connection
- No download needed
- Keep your workflow in the browser
- Easy to maintain (features can be added and no need to update)
- Easy to customize appearance

## Technologies

Technology dependencies kept to a minimum to keep the product robust in the long run.

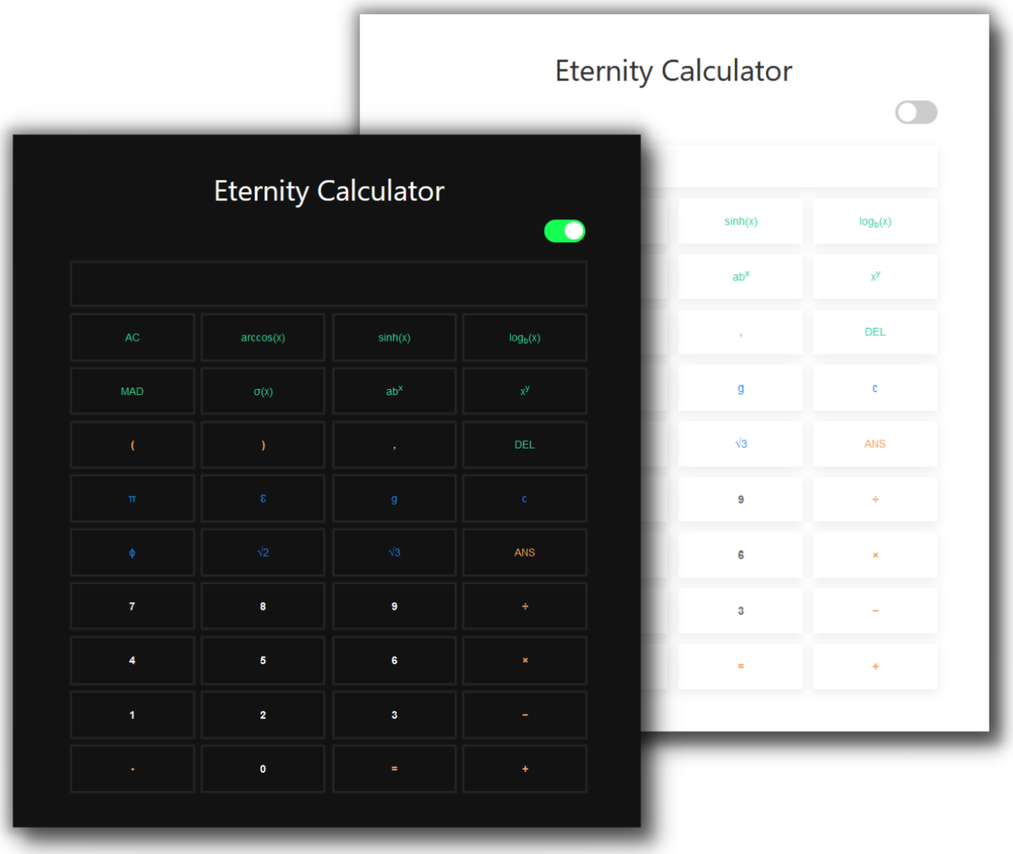
Math functions are built from scratch, not dependent of a specific programing language.

Backend
- Django (Python)

Frontend
- jQuery
- Ulkit
- Vue.js

## Prototype

Customizable theme




## Use Cases

High Level

- Validate calculations of other software
- Solve school assignments
- Analyze sale statistics
- Estimate cost of engineering projects
- Calculate shopping expenditures
- Help during exams
- Analyze biology lab results
- Graph mathematical functions
- Analyze large data sets
- Design building architecture

Low Level

- Input Data Set
- Input Number
- Input Function
- Input Operator
- Graph Function
- Calculate Result
- Display Result
- Clear Result
- Modify Result

## Retrospective

Challenges

- How can we make a calculator app stand out
- Not too much coding required: how do we give meaningful tasks to everyone
- Organizing additional meetings with a bigger team
- Project/ software requirements sometimes unclear

## Perfect for

- Students of all levels
- Statisticians
- Data Analysts
- Accountants
- Engineers
- Developers

## Open Source

Code available on GitHub!