

# **1. INTRODUCTION**

## **1.1 *PROBLEM STATEMENT***

The concept of traditional income tax calculation has changed radically within the last couple of years. During the Covid years, the use of income tax calculators increased drastically. It was due to the lack of access to tax professionals during the time. People were not able to calculate their income taxes with ease due to Covid protocols. This is when the idea of online income tax calculation came into existence. Now, you have access to online income tax calculation services whenever and wherever you want, as long as you have access to a computer and the internet. We are now entering a new era, the revolution of online income tax calculation. The purpose of online income tax calculators is to allow people to calculate their income taxes online with ease.

## **1.2 *PROPOSED SYSTEM***

The proposed income tax calculator website aims to overcome the challenges of the current income tax calculation process by providing a comprehensive and user-friendly platform for calculating income taxes. The website will leverage technology to streamline the process, enhance convenience, and optimize income tax calculation accuracy. Key features of the proposed website include:

- **Accuracy:** The website will be based on the latest tax laws and regulations, ensuring that taxpayers receive accurate estimates of their tax liability.
- **Convenience:** The website will be easy to use, allowing taxpayers to calculate their taxes quickly and easily.

The proposed income tax calculator website will be a valuable resource for taxpayers of all income levels. It will provide a convenient and accurate way to calculate income taxes, saving taxpayers time and money.

In addition to the key features listed above, the proposed website will also offer the following benefits:

- Time savings: Taxpayers will save time by not having to manually calculate their taxes.
- Peace of mind: Taxpayers can be confident that they are paying the correct amount of taxes.
- Improved compliance: Taxpayers who use the website are more likely to comply with tax laws.

The proposed income tax calculator website will be a valuable resource for taxpayers and tax professionals alike. It will provide a convenient, accurate, and reliable way to calculate income taxes.

### ***1.3 PROJECT REQUIREMENTS***

The features of this website are:

- Tax Calculations
- Report Generation
- Analytics of Tax reports
- Tax Savings Guide
- Tax Slab Rates
- Mobile Responsiveness
- User-Friendly Interface.
- Administrative Dashboard.

## **2. FEATURES AND HIGHLIGHTS OF THE PROJECT**

## ***FEATURES AND HIGHLIGHTS***

- 1.Users can register and login into the system.
- 2.Users can calculate Taxes.
- 3.Users can view different Tax Savings Guide.
- 4.Users can add Tax Details.
- 5.User can view their respective Tax details.
- 6.User can take print of Tax details.
- 7.The Admin can view
  - 1.The whole Database
  - 2.Tax Calculations
  - 3.Dynamic Elements
- 8.Admin can add Tax Details.
- 9.Admin can add User Details.
- 10.Admin can edit all details.

# **3. TECHNICAL ASPECTS**

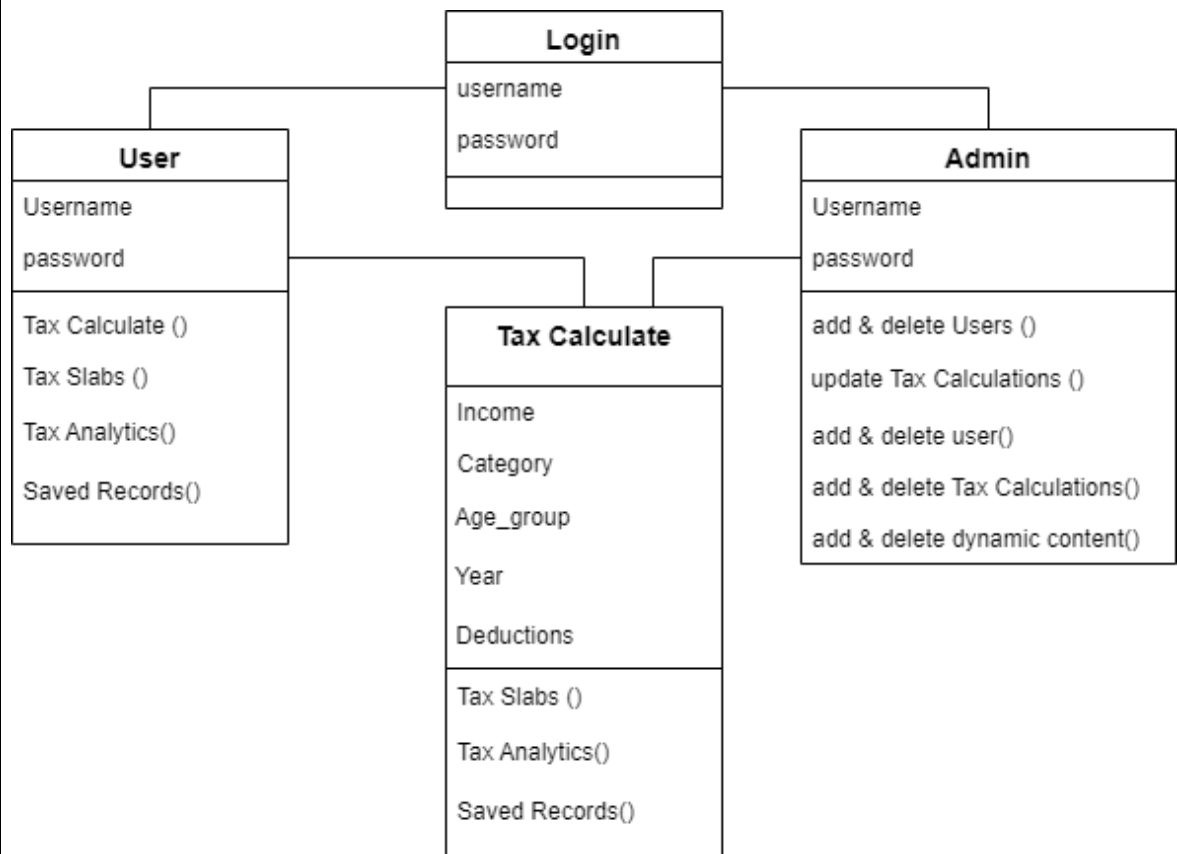
## *TECHNICAL ASPECTS*

- **Presentation Layer:**
  - **User Interface (UI):** This layer includes the components that interact with users, such as web pages or mobile app screens.
  - **Django Templates:** Django's built-in template engine allows you to define HTML templates that render dynamic content and interact with the back-end.
  - **Jazzmin package:** Jazzmin provides a very interactive Django admin panel GUI
  - **Chartjs:** Javascript library that provides interactive charts for analytics
- **Application Layer:**
  - **Django:** Django serves as the back-end framework, handling HTTP requests, routing, and managing the application's business logic.
  - **Django Views:** Views receive requests from the user interface, process data, and generate appropriate responses. They interact with models, services, and external APIs as needed.

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# **4.CLASS DIAGRAM**



*CLASS DIAGRAM OF DATABASE*

# **5. CHALLENGES FACED DURING DEVELOPMENT**

**1. *System Complexity:***

Developing a comprehensive system that caters to the needs of customers, administrators, and mechanics can be challenging due to the inherent complexity of managing multiple user roles and their interactions.

**2. *User Interface Design:***

Designing a user-friendly interface that accommodates various functionalities and ensures a seamless user experience for customers, administrators, and mechanics requires careful planning and consideration of usability principles.

**3. *Coding the logic***

Coding the logic behind Tax Calculation were really difficult. It was completed after days of coding and getting help from friends

**3. *Data Management:***

Efficiently storing and retrieving data, such as service requests, user information, feedback, and service statuses, while ensuring data integrity and system performance can pose challenges.

**4. *Security and Authentication:***

Implementing security measures to protect user data, prevent unauthorized access, and ensure secure authentication for customers, administrators, and mechanics is crucial but can be challenging due to the need for secure encryption, authentication protocols, and access controls.

## **6. FUTURE ENHANCEMENTS**

**1. *Mobile Application:***

Mobile Application: Develop a mobile application for the Tax Calculation to allow users to easily Calculate Income Tax, receive notifications, and manage their income and have insights on their mobile devices.

**2. *Real Time Availability:***

Real-Time Availability: Implement real-time availability updates to provide users with up-to-date information on Tax Calculations.

**3. *Other Calculators:***

Other Tax calculating Options: Other Tax calculating Options such as Sales tax, Deferred Tax Calculator, House Rent Allowance Calculator etc.

**4. *Premium Version:***

Premium Version: which provides extra features such as tax payment recommendations, analytics

**5. *Tax Calculations in multiple Currency:***

Tax Calculations in multiple Countries: which makes calculations in multiple countries easier.

**6. *Advanced System Rating:***

Enhance the feedback system to include a detailed tax rating system, enabling customers to provide ratings for individual taxes based on their income, other income.

These future enhancements will further improve the Tax Calc, providing additional features, enhanced user experiences, and advanced functionalities to meet the evolving needs of customers.

## **7. CONCLUSION**

## *CONCLUSION*

The project was successfully completed within the time span allotted. All the modules are tested separately and put together to form the main system. Finally, the modules are tested with real data and it worked successfully. Thus the system has fulfilled the entire objective defined. Our goal of developing this Income Tax Calculation System has come to a good result without many defects. Tax Calculation system improves the existing system since we are in the computerized world. With this new system is mandatory, it enables the user of the system (commoner, System administrator) to Calculate Income Tax online and this reduces the wasting of time of the clients looking for calculation of taxes, increases the tax payment to the Government since the tax calculator is making them a better citizen. So this system provides all the available best services to all the customers

## **8. REFERENCES**



## *REFERENCES*

- <https://incometaxindia.gov.in/Pages/default.aspx>
- <https://groww.in/calculators/income-tax-calculator>

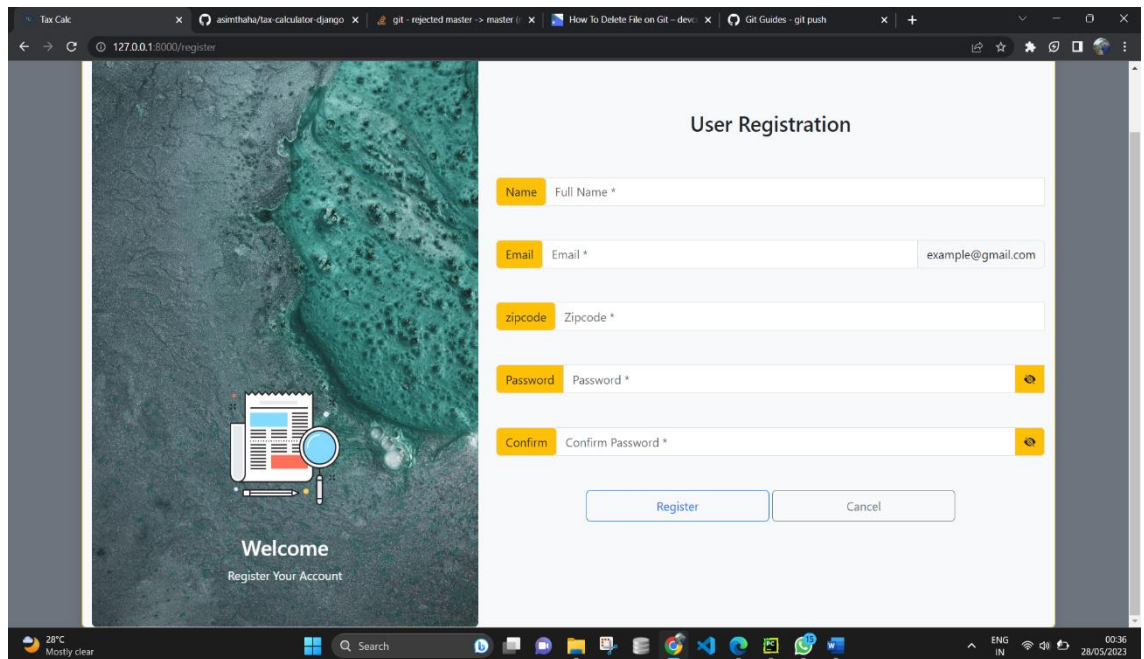
GitHub Repo:

- <https://github.com/asimthaha/tax-calculator-django.git>

## **9. ANNEXURE**

## Screen Shots

### USER SIGN UP

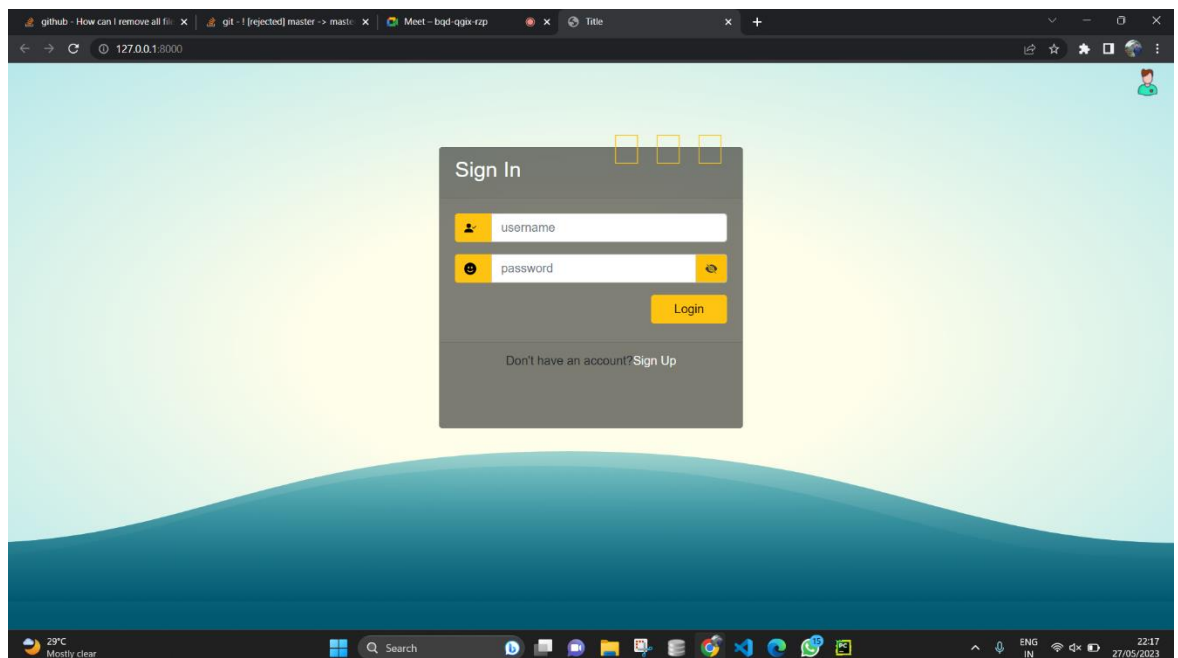


The screenshot shows a web browser window with the URL `127.0.0.1:8000/register`. The page features a dark green background image of a forest. On the left, there is a 'Welcome' message with a 'Register Your Account' link. On the right, there is a 'User Registration' form with the following fields:

- Name: Full Name \*
- Email: Email \* (example@gmail.com)
- Zipcode: Zipcode \*
- Password: Password \* (with a toggle icon)
- Confirm: Confirm Password \* (with a toggle icon)

At the bottom of the form are 'Register' and 'Cancel' buttons. The Windows taskbar at the bottom shows the date as 28/05/2023 and the time as 00:36.

### USER LOGIN



The screenshot shows a web browser window with the URL `127.0.0.1:8000`. The page features a light blue background image of a landscape. In the center, there is a 'Sign In' form with the following fields:

- username
- password (with a toggle icon)

At the bottom of the form is a 'Login' button. Below the form, there is a link that says 'Don't have an account? Sign Up'. The Windows taskbar at the bottom shows the date as 27/05/2023 and the time as 22:17.

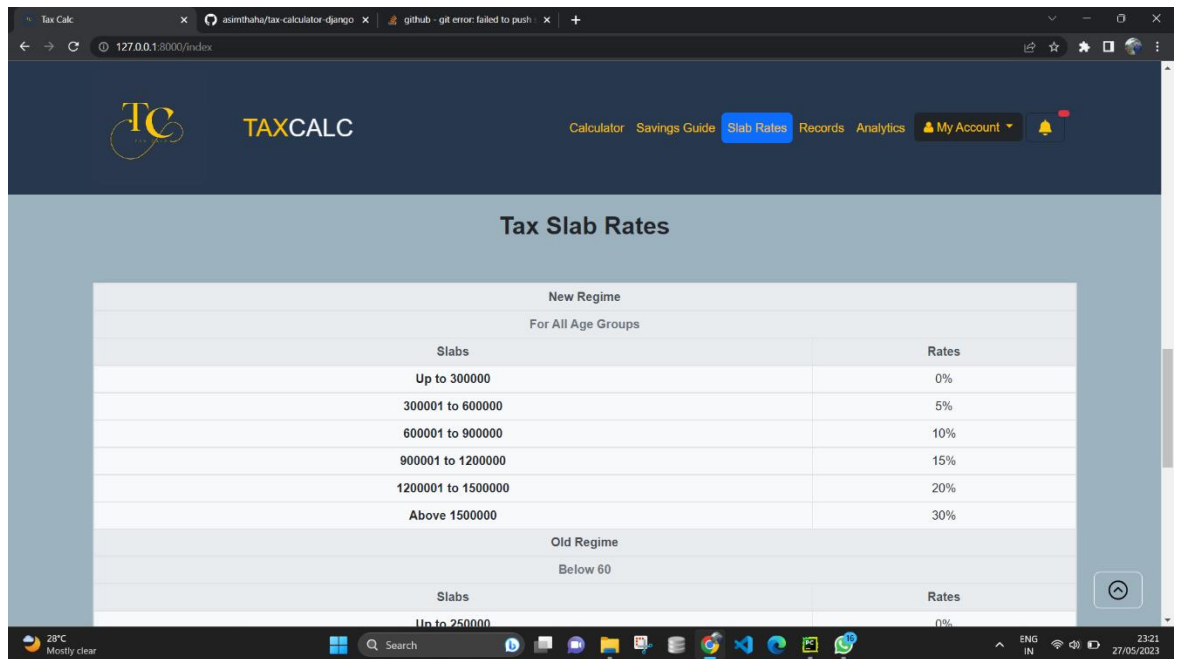
## USER DASHBOARD

The screenshot shows the TAXCALC User Dashboard. The header includes the TAXCALC logo and navigation links: Calculator, Savings Guide, Slab Rates, Records, Analytics, My Account, and a notification bell. The main content area contains three dropdown menus for 'Financial Year\*', 'Age Group\*', and 'Category\*'. Below these are two buttons: 'Old Regime' and 'New Regime'. The dashboard is divided into three columns for input fields: 'Income\*' (0), 'Other Income' (0), and 'Total Tax' (0). The second row includes 'Standard Deduction' (50000), 'Professional Tax' (0), and 'HRA Exemption' (0). The third row includes 'Deduction /s 80C', 'NPS u/s 80CCD(1 B)', and 'Home Loan Int U/s 24'. The bottom of the page shows a Windows taskbar with the date 27/05/2023 and time 22:17.

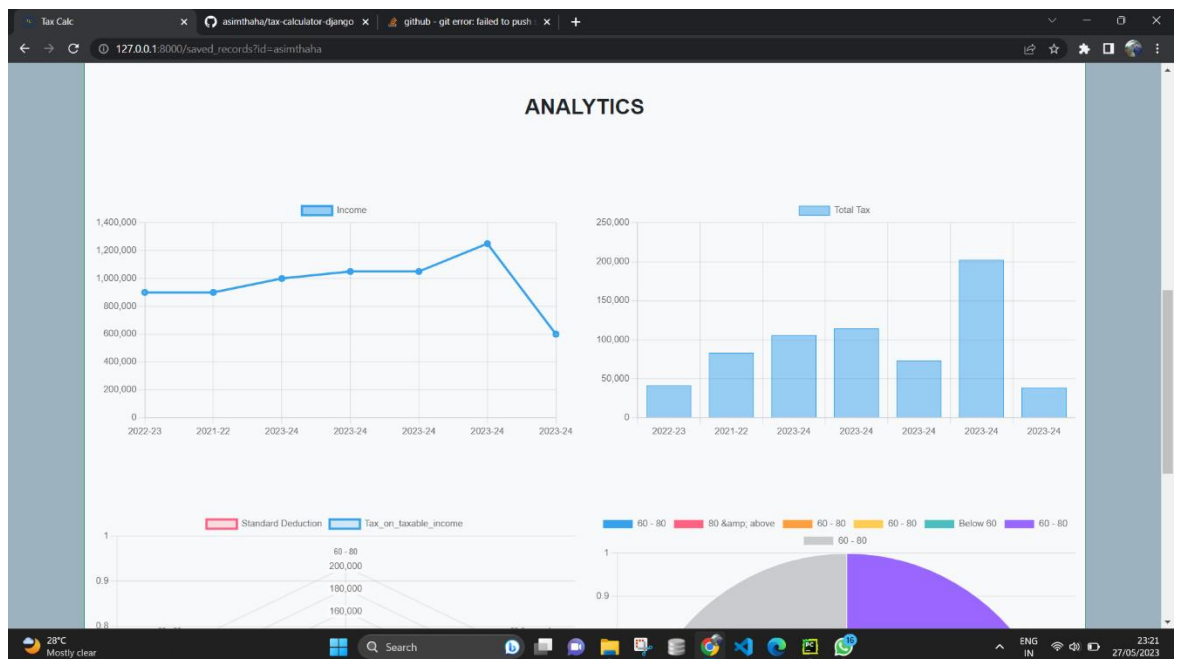
## TAX SAVINGS

The screenshot shows the TAXCALC Tax Savings Guide. The header is identical to the dashboard. The main content area is titled 'Tax Savings Guide' and displays a grid of seven cards, each with an icon, a title, and a 'Read More' button. The cards are: 'HB interest (sec. 24b)', 'savings under section 80c', 'Contribution to NPS (sec 80CCD)', 'Medical insurance (sec 80D)', 'Disabled Dependent (sec 80DD)', 'Education Loan (sec 80E)', and 'Donation (sec 80G)'. The bottom of the page shows a Windows taskbar with the date 27/05/2023 and time 23:21.

## TAX SLAB ARTES REQUEST



## ANALYTICS PAGE



## FEEDBACK FORM

What service You need ?

name  E-mail

write your message

**Feedback Form**  
Give us your valuable feedback to improve our services

## ADMINISTRATIVE DASHBOARD

Site administration | Tax calc: Admin | asimthaha/tax-calculator-django | github - git error: failed to push

127.0.0.1:8000/admin/

**admin**

**Dashboard** | Home > Dashboard

**Authentication and Authorization**

Groups	Add	Change
Users	Add	Change

**Admin\_Tools\_Stats**

Cached values	Add	Change
Dashboard stats	Add	Change
Dashboard stats criteria	Add	Change

**Taxes**

Carousel imagess	Add	Change
Tax detailss	Add	Change
Tax savings guides	Add	Change
Tax slab ratess	Add	Change
User detailss	Add	Change
User feedbacks	Add	Change

**Recent actions**

- athul 2 days, 22 hours ago
- Old Regi me 2 days, 23 hours ago
- status 4 days, 7 hours ago  
Added "status".
- taxgraph 4 days, 7 hours ago  
Added "taxgraph".
- asimt haha 4 days, 22 hours ago
- asimthaha 3 weeks ago