

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

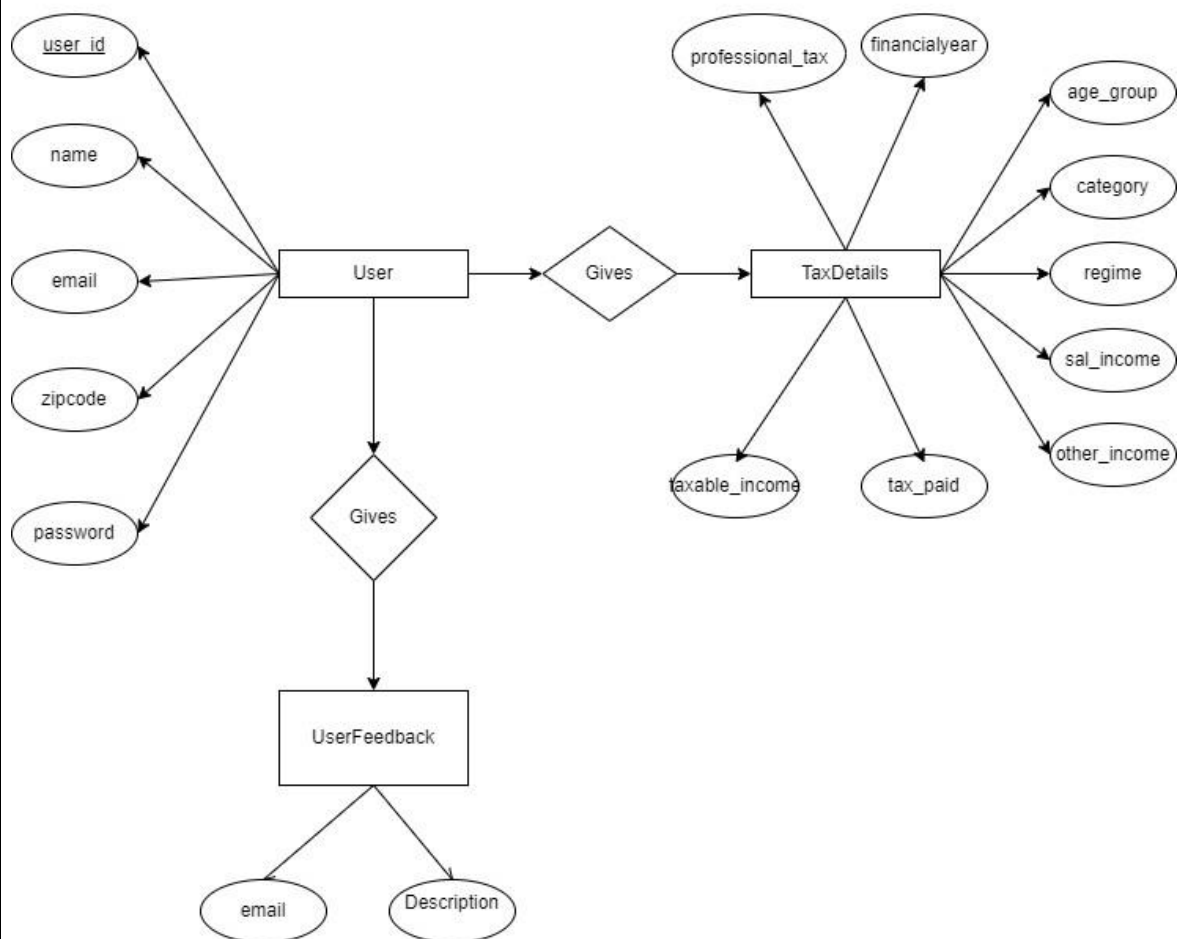
TECHNICAL ASPECTS

- **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.

4.CLASS DIAGRAM

ER DIAGRAM OF DATABASE

ER DIAGRAM



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

9. 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

REFERENCES

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

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, textured background on the left with a 'Welcome' message and 'Register Your Account' text. On the right, there is a 'User Registration' form with the following fields:

- Name: Full Name *
- Email: Email * (with a placeholder `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 two buttons: 'Register' and 'Cancel'.

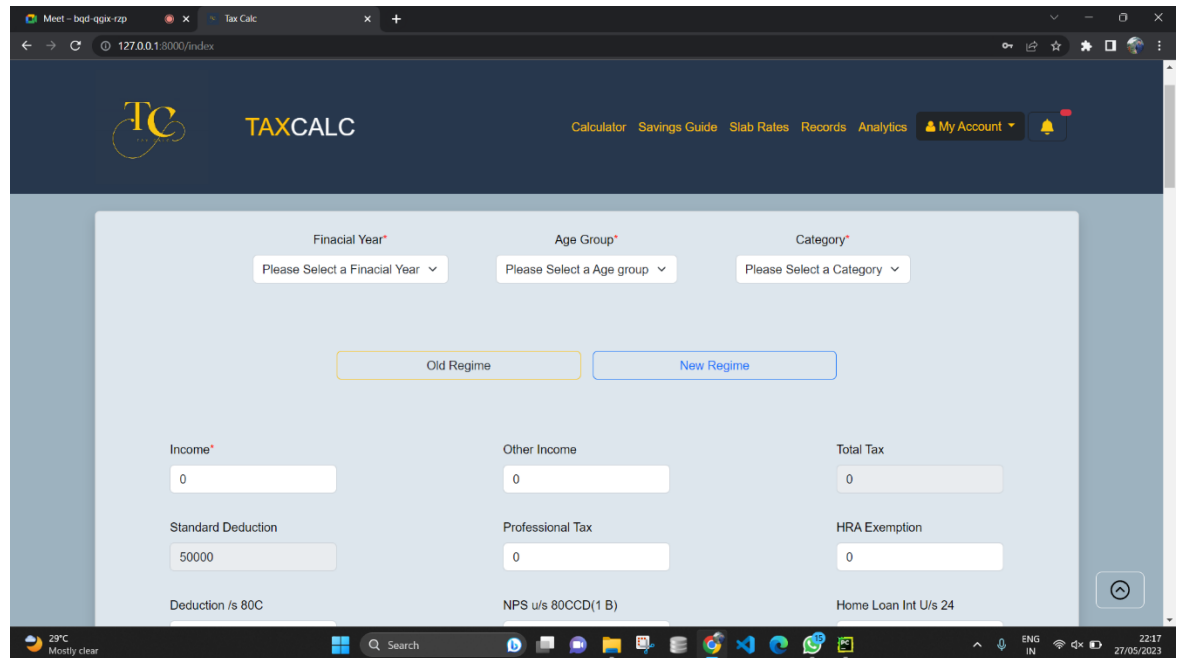
USER LOGIN

The screenshot shows a web browser window with the URL `127.0.0.1:8000`. The page has a light blue background with a dark blue wave at the bottom. In the center, there is a 'Sign In' form with the following fields:

- username
- password (with a toggle icon)

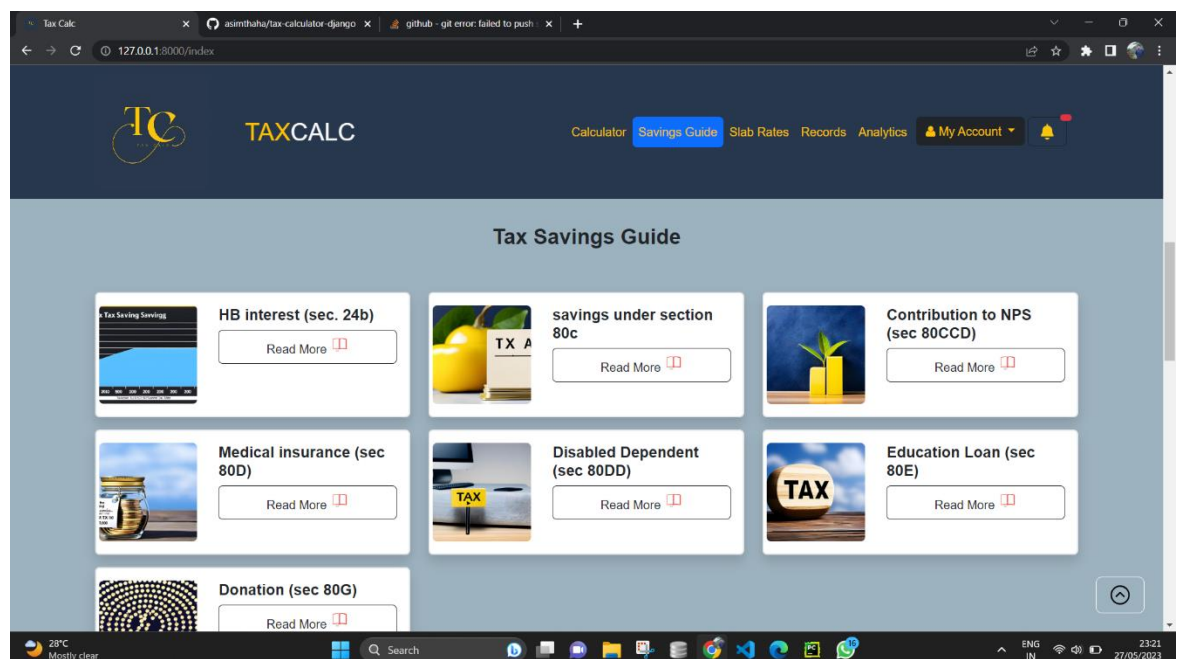
Below the password field is a 'Login' button. At the bottom of the form, there is a link: 'Don't have an account? Sign Up'.

USER DASHBOARD



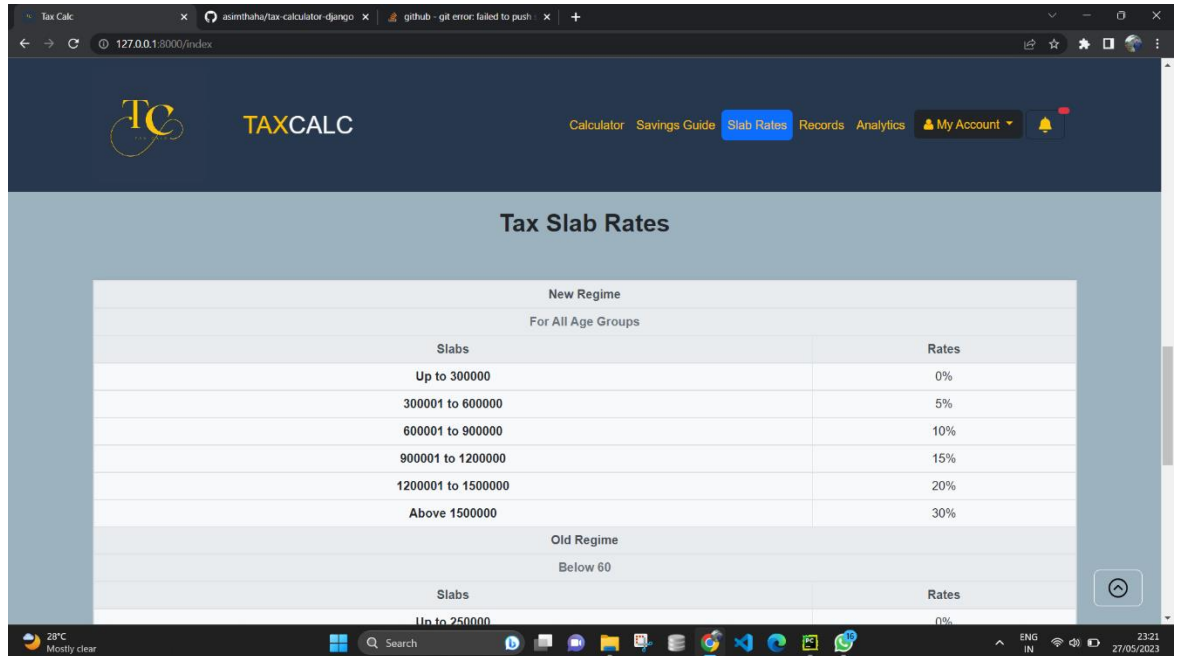
The screenshot shows the TAXCALC User Dashboard in a web browser. The browser's address bar displays '127.0.0.1:8000/index'. The dashboard has a dark blue header with the TAXCALC logo and navigation links: Calculator, Savings Guide, Slab Rates, Records, Analytics, My Account, and a notification bell. The main content area is light blue and contains several input fields and buttons. At the top, there are three dropdown menus for 'Financial Year*', 'Age Group*', and 'Category*', each with a 'Please Select' prompt. Below these are two buttons: 'Old Regime' (highlighted with a yellow border) and 'New Regime'. The dashboard is divided into three columns of input fields: 'Income*' (0), 'Standard Deduction' (50000), and 'Deduction /s 80C'; 'Other Income' (0), 'Professional Tax' (0), and 'NPS u/s 80CCD(1 B)'; and 'Total Tax' (0), 'HRA Exemption' (0), and 'Home Loan Int U/s 24'. A Windows taskbar is visible at the bottom, showing the date as 27/05/2023 and time as 22:17.

TAX SAVINGS

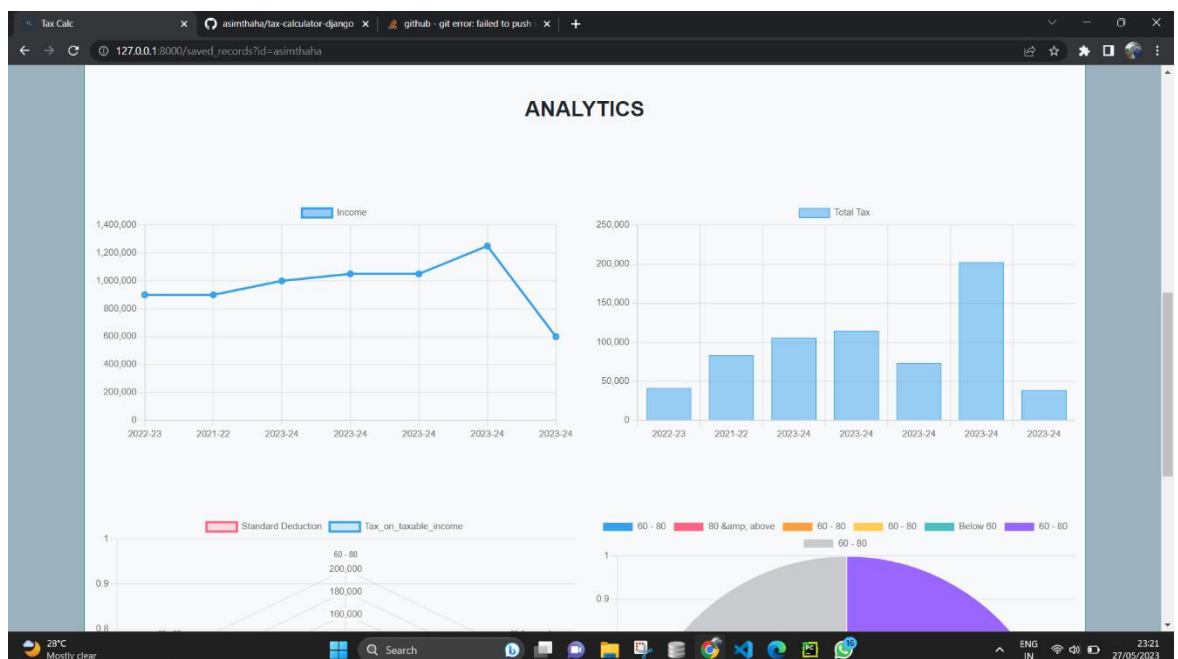


The screenshot shows the TAXCALC Tax Savings Guide page. The browser's address bar displays '127.0.0.1:8000/index'. The page has a dark blue header with the TAXCALC logo and navigation links: Calculator, Savings Guide (highlighted), Slab Rates, Records, Analytics, My Account, and a notification bell. The main content area is light blue and features a 'Tax Savings Guide' title. Below the title are seven cards, each with an image, a title, and a 'Read More' button: '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)'. A Windows taskbar is visible at the bottom, showing the date as 27/05/2023 and time as 23:21.

TAX SLAB ARTES REQUEST



ANALYTICS PAGE



FEEDBACK FORM

Feedback form

What service You need ?

name

E-mail

write your message

Send 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/

Tax Calc

Home Support Users Search Users... Search Groups...

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 details Add Change

Tax savings guides Add Change

Tax slab rates Add Change

User details 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 hahia 4 days, 22 hours ago
- asimthaha 3 weeks ago