

DJANGO MODELS

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

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22PMC118

```
from django.db import models
```

```
# Create your models here.
```

```
class UserDetails(models.Model):
```

```
    user_id = models.AutoField(db_column="User_id", primary_key=True)
    name = models.CharField(db_column="Name", max_length=40)
    email = models.CharField(db_column="Email", max_length=254)
    password = models.CharField(db_column="Password", max_length=20)
    zipcode = models.IntegerField(null=True, db_column="Zipcode")
```

```
    def __str__(self):
        return self.name
```

```
class TaxDetails(models.Model):
```

```
    REGIME_STATUS = (
        ("New Regime", "New Regime"),
        ("Old Regime", "Old Regime"),
    )
```

```
    AGE_GROUP = (
        ("For All Age Groups", "For All Age Groups"),
        ("Below 60", "Below 60"),
        ("60 to 80", "60 to 80"),
        ("Above 80", "Above 80"),
    )
```

```
    CATEGORY = (
        ("Employee/Pensioner", "Employee/Pensioner"),
        ("Other", "Other")
    )
```

```
    FINANCIAL_YEAR =(
        ("2023-2022", "2023-2022"),
        ("2022-2021", "2022-2021"),
        ("2021-2020", "2021-2020"),
    )
```

```
    name = models.ForeignKey(UserDetails, on_delete=models.CASCADE, default=True)
```

```
    financial_year = models.CharField(max_length=20 ,blank=True,null=True,
        choices=FINANCIAL_YEAR,
        default="s",
        help_text="Age Group of People")
```

```
    age_group = models.CharField(max_length=5,blank=True,null=True,
        choices=AGE_GROUP,
        default="s",
        help_text="Age Group of People")
```

```
    category_emp_or_pen = models.CharField(max_length=30,blank=True,null=True,
        choices=CATEGORY,
        default="Employee/Pensioner/",
        help_text="Category of People",)
```

```
    regime = models.CharField(max_length=20,blank=True,null=True,choices=REGIME_STATUS,
        default=True,
        help_text="regime status new or old")
```

```
    salary_income = models.IntegerField(null=True, blank=True)
```

```

other_income = models.IntegerField(null=True, blank=True)

standard_deduction = models.IntegerField(null=True, blank=True)
professional_tax = models.IntegerField(null=True, blank=True)
house_rent_exemption = models.IntegerField(null=True, blank=True)
home_loan = models.IntegerField(null=True, blank=True)
deductions_u_80c = models.IntegerField(null=True, blank=True)
nps_u_80c = models.IntegerField(null=True, blank=True)
taxable_income = models.IntegerField(null=True, blank=True)

tax_on_taxable_income = models.IntegerField(null=True, blank=True)
rebate_u_87a = models.IntegerField(null=True, blank=True)
surcharge_on_tax = models.IntegerField(null=True, blank=True)
education_cess = models.IntegerField(null=True, blank=True)
total_tax = models.IntegerField(null=True, blank=True)

def __str__(self):
    return self.regime

regime = models.CharField(
    max_length=20,
    choices=REGIME_STATUS,
    blank=True,
    default=True,
    help_text="regime status new or old",
)

age_group = models.CharField(
    max_length=20,
    choices=AGE_GROUP,
    blank=True,
    default="s",
    help_text="Age Group of People",
)

class UserFeedback(models.Model):
    name = models.ForeignKey(UserDetails, on_delete=models.CASCADE, default=False)
    email = models.EmailField(max_length=254)
    description = models.CharField(max_length=200)

    def __str__(self):
        return self.description

class CarouselImages(models.Model):
    photo = models.ImageField(upload_to="photo", blank=True, null=True)
    description = models.CharField(max_length=300)

    def __str__(self):
        return self.description

class TaxSavingsGuide(models.Model):
    photo = models.ImageField(upload_to="photo", blank=True, null=True)
    card_title = models.CharField(max_length=50)
    card_description = models.CharField(max_length=200)

    def __str__(self):
        return self.card_title

```

```

class TaxSlabRates(models.Model):
    REGIME_STATUS = (
        ("New Regime", "New Regime"),
        ("Old Regime", "Old Regime"),
    )

    AGE_GROUP = (
        ("For All Age Groups", "For All Age Groups"),
        ("Below 60", "Below 60"),
        ("60 to 80", "60 to 80"),
        ("Above 80", "Above 80"),
    )

    RATES_STATUS = (
        ("0%", "Nil"),
        ("5%", "5%"),
        ("10%", "10%"),
        ("15%", "15%"),
        ("20%", "20%"),
        ("30%", "30%"),
    )

    regime = models.CharField(
        max_length=20,
        choices=REGIME_STATUS,
        blank=True,
        default=True,
        help_text="regime status new or old",
    )

    age_group = models.CharField(
        max_length=20,
        choices=AGE_GROUP,
        blank=True,
        default="s",
        help_text="Age Group of People",
    )

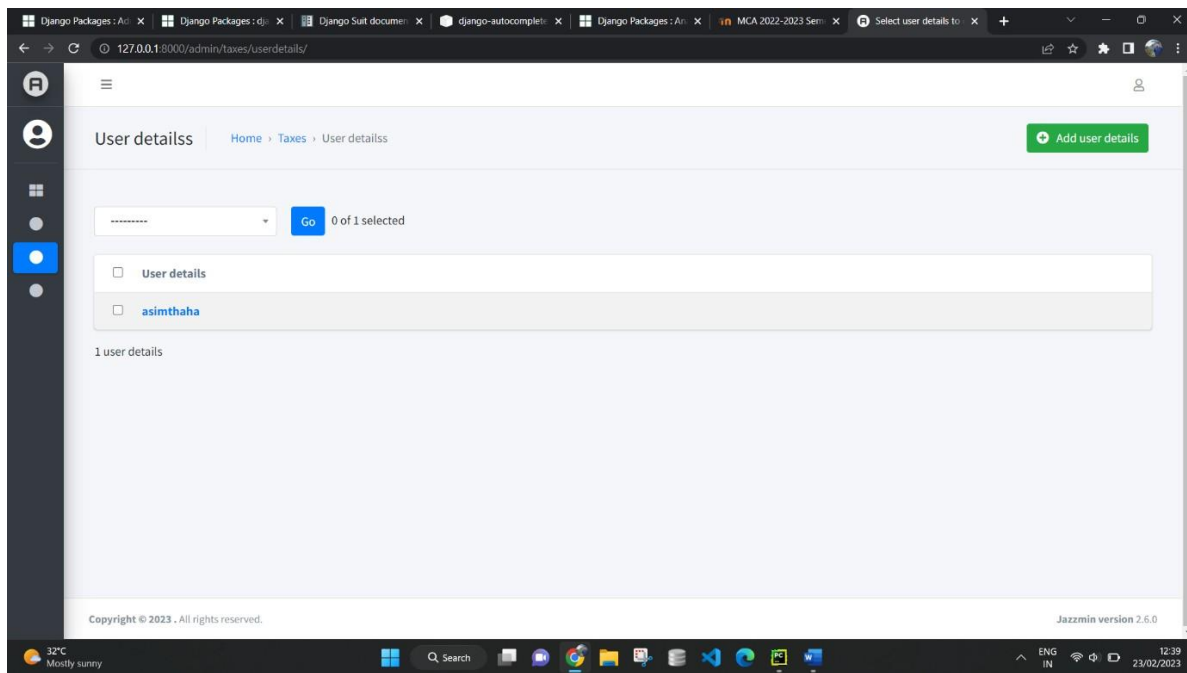
    rates = models.CharField(
        max_length=20,
        choices=RATES_STATUS,
        blank=True,
        default="0",
        help_text="Tax Slab Rates",
    )

    slabs = models.CharField(max_length=30, help_text="Tax Slabs")

    def __str__(self):
        """String for representing the MyModelName object (in Admin site etc.)."""
        return self.slabs

```

ADMIN INTERFACE SCREENSHOTS



ER DIAGRAM

