

# Task Manager Basics

## Types of Users

- ① Admin
- ② Basic Users.

### Admin

→ can delete a User  
or mark them as inactive

### Basic Users

- view his/her past Todo's
- Can Create new Todo's
- Can Update his/her Todo's
- Delete his/her Todo

## Features of Todo

- Has a title
- Has a description
- can be marked as done / completed
- Has a due date

Good to have

→ Can have multiple tags

→ Can store multiple files

## Design

USER		
id	big int	pk
username	varchar(50)	uni
first name	varchar(50)	
last name	varchar(50)	
email	varchar(128)	
password	varchar(128)	
is-active	boolean	
date-joined	date time	
is-admin	boolean	

The inbuilt  
django users  
model is  
good enough  
to be used

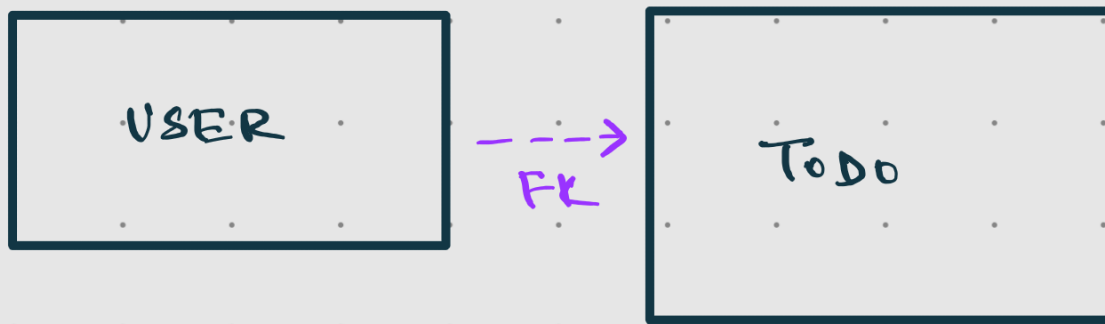
ToDo		
id	bigint	pk
title	varchar(80)	
description	varchar()	
completed	boolean	
due date	date time	
user	bigint	FK
created date	date time	

We will create a new model to handle the Todo's

We are going ahead with a relational database such as MySQL

### Reason

- Data is structured
- Django supports RDBMS using ORM's
- ACID principles are ensured in every transaction



one to many relationship  
through Foreign Key  
Implementation.

(one user can have  
multiple Todo's)

Other information like Tags and  
Files can be implemented using  
additional tables and many to many  
Field