Task use case:

User (an admin of ecommerce site) has a data of all his sales invoice(data contains fields like; customer name, phone, address, amount, discount amount, tax percent.) and invoice items (product name, rate, quantity, unit) which is json field. Now user should be able to backup his data in csv, excel or JSON file (it might be of any type, mostly csv and excel is expected).

While taking backup file, user should be asked to choose file type and data should be backup by using appropriate method.

Technical Note: There is a model SalesInvoice with above given fields among which invoice_item is a json field which stores list of all items sold in that invoice.
Continue same project and perform following task:

prepare a model and insert some dummy data in SalesInvoice.
create a model to store backed up files(model fields: file, backup date, number of rows in file, size of file and file type)
create API for listing all backup files
create API for deleting backup files
create API to create backup. User should be asked to select file type and first date - last date, then according to that date and filetype all the invoice within the date should be backup in a file.
file name should be '20230205salesinvoice20230210.CSV';
STARTDATEsalesinvoiceLASTDATE.FILETYPE

system should through error messages, if the backup file for same date selection is already available. For example if a user select csv filetype and 2023/02/5-2023/02/10 as date. Data should be saved in a csv file of that particular date, but if user tries to backup same data again and the file is already available then it should through error.

use proper comments and docstrings.

write test case for each API.