Using Django REST Framework, write an API that allows any user to upload an image in
PNG or JPG format.
You are allowed to use any libraries or base projects / cookie cutters you want (but using
DRF is a hard requirement).
Skip the registration part, assume users are created via the admin panel.
Requirements:
● it should be possible to easily run the project. docker-compose is a plus
● users should be able to upload images via HTTP request
● users should be able to list their images
● there are three bultin account tiers: Basic, Premium and Enterprise:
○ users that have "Basic" plan after uploading an image get:
■ a link to a thumbnail that's 200px in height
○ users that have "Premium" plan get:
■ a link to a thumbnail that's 200px in height
■ a link to a thumbnail that's 400px in height
■ a link to the originally uploaded image
○ users that have "Enterprise" plan get
■ a link to a thumbnail that's 200px in height
■ a link to a thumbnail that's 400px in height
■ a link to the originally uploaded image
■ ability to fetch a link to the (binary) image that expires after a number
of seconds (user can specify any number between 300 and 30000)
● apart from the builtin tiers, admins should be able to create arbitrary tiers with the
following things configurable:
○ arbitrary thumbnail sizes
○ presence of the link to the originally uploaded file
○ ability to generate expiring links
● admin UI should be done via django-admin
● there should be no custom user UI (just browsable API from Django Rest Framework)
● remember about:
○ tests
○ validation
○ performance considerations (assume there can be a lot of images and the API is frequently accessed)

Please focus on code cleanliness and quality. The project should include all

source files and a short README written in English that explains how to set up the project.