

Design Document (Part-1)

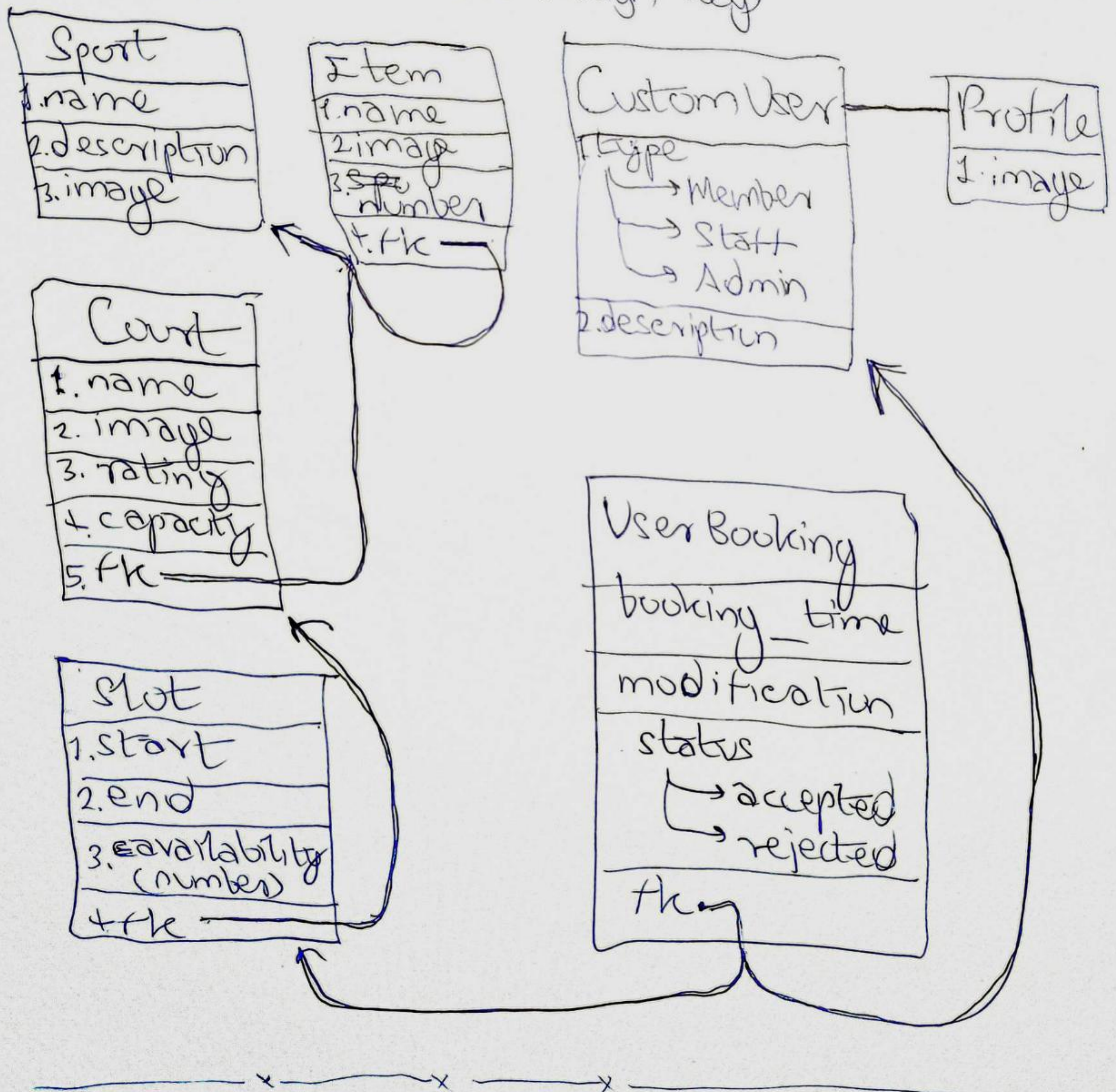
Development Assignment

Framework: Django

Project Name: RevMittal

Apps in Project: Sports, Users

Basic Model structures
(fk stands for foreign key)



Access Control

- There are three types of users namely:

1. member:-

They can book slots via a 'user booking' model and check status in profile. Further changes via email.

2. staff:-

They can create new sports and add courts for each sport. They can also add inventory and slots for each court.

3. admin:-

They can change the type of a user from 1 \rightarrow 2 or vice versa.

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- All urls have been checked to ensure that some illegal action cannot be carried out. '403 Forbidden' error in those cases.
 - I have avoided the use of Admin page of Django to get used to the shell.

Key Features

- A person can only register as a member after email verification. The admin may then promote to staff.
- A staff person can add a slot by choosing date, a start-time & end-time for a particular court. (also mentioning # courts)
- Request acceptance is automatic and cannot exceed 3 in 24 hrs. However, in case of status change, an email is sent to member saying request is accepted/rejected.
- Members can see all bookings with status in profile. Staff can see bookings of everyone in profile & change status. This automatically notifies corresponding member.
- Forgot password has also been implemented via email.
- Trending sports show on homepage after login based on recent bookings. Fuzzy search has been activated.
- Multiple accounts with same email is not allowed.
- Animation is active on the all sports page.

Testing Notes

Username — Password

admin

admin

staff

staff

user i

pass i

i = 1, 2, 3, 4, 5

Dummy Data:-

Kindly check the first courts of football & football for data. You can check past bookings for user 1 & all bookings in staff profile.

Local Files:-

You can run the app locally. However, note that all media will come from Amazon AWS S3 & you cannot use email functionality. (I used environment variables)

Hosted Website:-

All functionality will work here. You can login as user 1, staff & admin for dummy data.