# Class Interfaces

Model Name: Registered User

Model attributes – explanation – dependencies:

*Model attributes – explanation*:

* First name – First name of the user.
* Last name – Last name of the user.
* Username – Unique username of the user.
* E-mail – E-mail address of the user.
* Id – Unique user id.
* Password - Password of the user.
* Date joined – Date that user has been joined into the system.
* Is active – It is for ban.
* Is super user – It is for defining system administrator.
* Is staff – It is for defining staff. (Moderator)

*Dependencies*:

* None.

Model Operations:

* E-mail user – It is for sending an e-mail to user to give as password.

Model Name: Admin

Model attributes – explanation – dependencies:

*Model attributes – explanation*:

* All user information of Admin comes from the User model.

*Dependencies*:

* Admin model is inherited from the User model, thus it is dependent with the User model.

Model Operations:

* There is no model operation.

Model Name: Moderator

Model attributes – explanation – dependencies:

*Model attributes – explanation*:

* All user information of Moderator comes from the User model.

*Dependencies*:

* Moderator model is inherited from the User model, thus it is dependent with the User model.

Model Operations:

* There is no model operation.

Model Name: Visitor

Model attributes – explanation – dependencies:

*Model attributes – explanation*:

*From Django Official Documentation*:

**django.contrib.auth.models.AnonymousUser** is a class that implements the **django.contrib.auth.models.User** interface, with these differences:

* id is always None.
* username is always the empty string.
* get\_username() always returns the empty string.
* is\_anonymous is True instead of False.
* is\_authenticated is False instead of True.
* is\_staff and is\_superuser are always False.
* is\_active is always False.
* groups and user\_permissions are always empty.
* set\_password(), check\_password(), save() and delete() raise NotImplementedError.

*Dependencies*:

* **django.contrib.auth.models.AnonymousUser** is a class that implements the **django.contrib.auth.models.User** interface.
* Basically, it is dependent to User model.

Model Operations:

* There is no model operation.

Model Name: Events

Model attributes – explanation – dependencies:

*Model attributes – explanation*:

* Club – Foreign Key of Club class.
* Event Name – The name of the event.
* Event Created Day – Date that the event is created.
* Event Day – The day of the week that this event will take place.
* Event Location – The location that the event will take place.
* Event Info – Information about the event.
* Status – Status of the event. Shows if the event is Enabled/Active or Disabled/Inactive.

*Dependencies*:

* It is dependent with Clubs model.

Model Operations:

* There is no model operation.

Model Name: Clubs

Model attributes – explanation – dependencies:

*Model attributes – explanation*:

* Club Name – The name of the club.
* Club Info – Information given about the club.
* Club Emblem – The logo or the emblem of a club given as an image.
* Status – Status of the club. Shows if the club is Enabled/Active or Disabled/Inactive.
* User Favorite – A list of favorite clubs of the User.

*Dependencies*:

* It is dependent with Events and User models.

Model Operations:

* There is no model operation.

Model Name: Comments

Model attributes – explanation – dependencies:

*Model attributes – explanation*:

* Comment – A comment text in string written by a User, for an event of a club.
* Event – Foreign Key of Event class.
* Status – Indicates the approval status of a comment. Has three states, Accepted, Waiting and Default. Comments are waiting for approval by default. A comment can be accepted or rejected. Approvals are given by Admin or Moderator.
* User – Foreign Key of User class.

*Dependencies*:

* It is dependent with Events and User models.

Model Operations:

* There is no model operation.