

| Model    | Serializer   |   |                         | Permissions                     |                              | Views       |                              |                               |  |
|----------|--|---|-------------------------|---------------------------------|------------------------------|-------------|------------------------------|-------------------------------|--|
|          | variable   | type  | extra                   | requirement                     | how                          | Detail/list | Generic view                 | HTTP                          | Extra  |
| Focus    | owner  | ReadOnlyField   | source='owner.username' | Only owner can perform any CRUD | Custom permission: OwnerOnly | List        | ListCreateAPIView            | GET<br>POST                   | Filter: owner==user<br>Order: rank, created_by   |
|          |  |   |                         |                                 |                              | Detail      | RetrieveUpdateDestroyAPIView | GET<br>PUT<br>PATCH<br>DELETE |  |
| Goal     | owner<br>deadline_near<br>days_remaining                                 | ReadOnlyField<br>SerializerMethodField<br>SerializerMethodField   | source='owner.username' | Only owner can perform any CRUD | Custom permission: OwnerOnly | List        | ListCreateAPIView            | GET<br>POST                   | Filter: owner==user & focus==focus & parent=false, parent=given id<br>Order: deadline  |
|          |  |   |                         |                                 |                              | Detail      | RetrieveUpdateDestroyAPIView | GET<br>PUT<br>PATCH<br>DELETE |  |
| Task     | owner<br>deadline_near<br>days_remaining<br>repeated_id<br>goal<br>order | ReadOnlyField<br>SerializerMethodField<br>SerializerMethodField<br>ReadOnlyField<br>SerializerMethodField | source='owner.username' | Only owner can perform any CRUD | Custom permission: OwnerOnly | List        | ListCreateAPIView            | GET<br>POST                   | Filter: owner==user && active, today&!achieved, achieved, goal, focus&nogoal, nofocus<br>Ordering_fields: focus.rank, goal.deadline, created_at, repeated, uodated_at, order |
|          |  |   |                         |                                 |                              | Detail      | RetrieveUpdateDestroyAPIView | GET<br>PUT<br>PATCH<br>DELETE | Ordering: order, deadline_near, focus.rank (secondary ordering order, should it be needed)<br>Additional_field(list): image= focus.image                                     |
| Label    | owner  | ReadOnlyField   | source='owner.username' | Only owner can perform any CRUD | Custom permission: OwnerOnly | List        | ListCreateAPIView            | GET<br>POST                   | Filter: owner==user  |
|          |  |   |                         |                                 |                              | Detail      | RetrieveUpdateDestroyAPIView | PUT<br>DELETE                 |  |
| Repeated | owner<br>due   | ReadOnlyField<br>SerializerMethodField  | source='owner.username' | Only owner can perform any CRUD | Custom permission: OwnerOnly | New         | CreateAPIView                | POST                          |  |
|          |  |   |                         |                                 |                              | Detail      | RetrieveUpdateDestroyAPIView | GET<br>PUT<br>DELETE          |  |
| Order    | owner  | ReadOnlyField   | source='owner.username' | Only owner can perform any CRUD | Custom permission: OwnerOnly | New         | CreateAPIView                | POST                          |  |
|          |  |   |                         |                                 |                              | Clear       | DestroyAPIView               | DELETE                        | Override destroy() defining new method to pull and delete all instances where owner==user  |