**Module 3 Cheat Sheet: Full-stack Django Development**

| **Package/Method** | **Description** | **Code Example** |
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| **count()** | Counts the number of objects. | **MyModel.objects.count()** |
| **Sum()** | Provides the sum of a field. | **MyModel.objects.aggregate(Sum('field'))** |
| **Avg()** | Calculates the average of a field. | **MyModel.objects.aggregate(Avg('field'))** |
| **Max()** | Provides the maximum value of a field. | **MyModel.objects.aggregate(Max('field'))** |
| **Min()** | Provides the minimum value of a field. | **MyModel.objects.aggregate(Min('field'))** |
| **order\_by()** | Orders objects based on a field. | **MyModel.objects.order\_by('field')** |
| **order\_by(-)** | Order objects based on fields in descending order. | **MyModel.objects.order\_by('-field')** |
| **select\_related** | Performs inner join. | **MyModel.objects.select\_related('related\_model')** |
| **prefetch\_related** | Performs left Outer join. | **MyModel.objects.prefetch\_related('related\_model')** |
| **many\_to\_many** | Performs many-to-many join. | **obj.many\_to\_many\_field.all()** |
| **filter(ForeignKey)** | Performs conditional joins. | **MyModel.objects.filter(related\_model\_\_isnull=True)** |