

List of Classes

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```
class LogPost(models.Model):
```

```
    member = models.ForeignKey(Member,
                                on_delete=models.CASCADE)
    signIn = models.DateTimeField(default=timezone.now)
    signOut = models.DateTimeField(null=True, blank=True)
```

```
    def __repr__(self):
        return "%(%)r" % (self.signIn)
```

```
    def get_absolute_url(self):
        return reverse('success')
```

```
class TimeSheet(models.Model):
```

```
    employee = models.ForeignKey(Employee,
                                   on_delete=models.CASCADE)
    signIn = models.DateTimeField(default=timezone.now)
    signOut = models.DateTimeField(null=True, blank=True)
```

```
    def __repr__(self):
        return "%(%)r" % (self.signIn)
```

```
    def get_absolute_url(self):
        #timesheet-detail doesn't exist yet
        return reverse('timesheet-detail', kwargs={'pk':
self.pk})
```

```
class Member(Person):
```

```
    firstName = models.CharField(max_length=20)
    middleName = models.CharField(max_length=20,
                                   null=True, blank=True)
    lastName = models.CharField(max_length=20)
    diagnosis = models.CharField(max_length=100)
    intakeDate =
models.DateTimeField(default=timezone.now)
    psychEval = models.TextField(null=True, blank=True)
    notes = models.TextField(null=True, blank=True)
    dischargeDate = models.DateTimeField(null=True,
                                           blank=True)
```

```
    def __str__(self):
        return f'{self.firstName} Member'
```

```
class Employee(Person):
```

```
    user = models.OneToOneField(User,
                                  on_delete=models.CASCADE)
    jobtitle = models.CharField(max_length = 20)
    salary = models.CharField(max_length = 10)
    startDate =
models.DateTimeField(default=timezone.now)
    educAttainment = models.CharField(max_length = 20,
                                       null=True, blank=True)
    otherInfo = models.TextField(null=True, blank=True)
```

```
    def __str__(self):
        return f'{self.user.username} Employee'
```

```
class Person(models.Model):
```

```
    image = models.ImageField(default='default.jpg',
                               upload_to='profile_pics')
    ssn = models.CharField(max_length=10)
    birthDate = models.DateTimeField(null=True,
                                      blank=True)
```

```
class User(built-in Django Class):
```

class ListView(built-in Django Class):

class PostListView(ListView):

```
model = LogPost
template_name = 'logsheet/home.html' #
<app>/<model>_<viewtype>.html
context_object_name = 'logposts'
ordering = ['-signIn']
paginate_by = 10
```

class MemberPostListView(ListView):

```
model = LogPost
template_name
='logsheet/member_logposts.html' #
<app>/<model>_<viewtype>.html
context_object_name = 'logposts'
paginate_by = 5
```

```
def get_queryset(self):
member = get_object_or_404(Member,
firstName=self.kwargs.get('firstName'))
return
LogPost.objects.filter(member=member).or
der_by('-signIn')
```

class DetailView(built-in Django Class):

class PostDetailView(DetailView):

```
model = LogPost
```

class CreateView(built-in Django Class):

class PostCreateView(CreateView):

```
model = LogPost
fields= ('member', 'signIn', 'signOut')
success_url = '/logsheet/'

def form_valid(self, form):
return super().form_valid(form)
```

class ListView(built-in Django Class):

class PostListView(ListView):

```
model = LogPost
fields= ('member', 'signIn', 'signOut')
success_url = '/logsheet/'

def form_valid(self, form):
return super().form_valid(form)
```

class DeleteView(built-in Django Class):

class PostDeleteView(DeleteView):

```
model = LogPost
success_url = '/logsheet/'
```

class LogAggregator(models.Model)

```
Logpost = []
```

```
def computeDaily()
Def compute()
```