

Health Care systems using machine learning algorithms

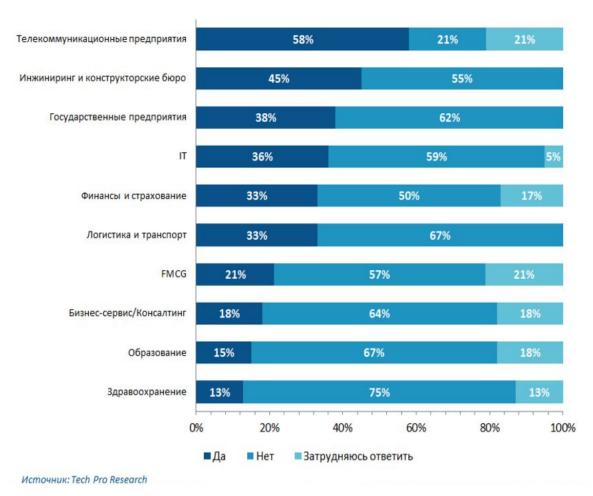
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General description of the project



Goal: Development of client-server application which is intended for health care.

Objectives: Create a MVP of project as client-server application on Django and IOS platform.

The societal vision: Creation of a application that will help in monitoring of well-being a person and give a predict value about personal data.

Solved problems: Storage, access and visualization of medical data, and analysis and design of expert recommendation systems for decision making using machine learning algorithms and time series analysis.





Human resource:

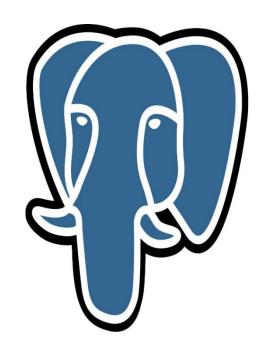
-Team member:

Kazhenbayeva Gulnaz(IOS-developer) Alimbayeva Zarina(back-end developer)

-mentors:

KBTU teachers

Used technologies

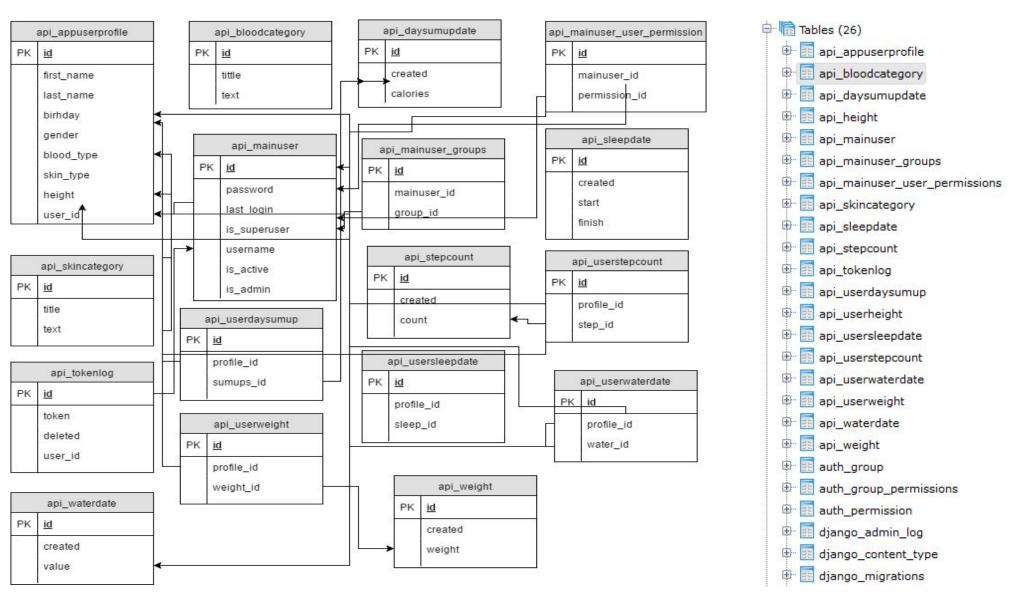








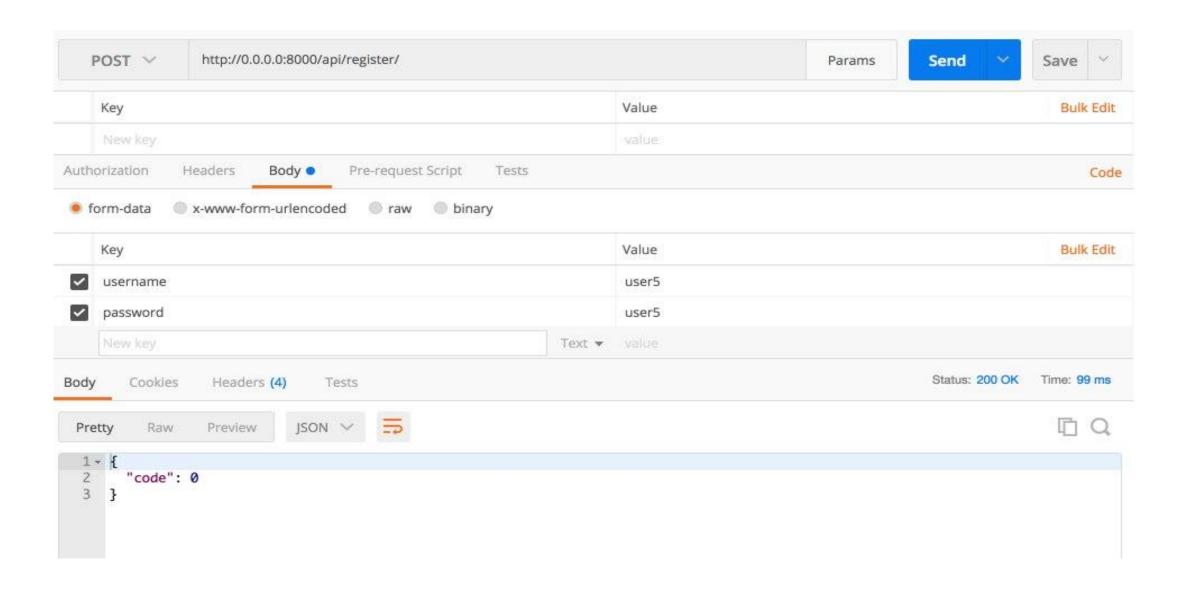
Implementation of web-API

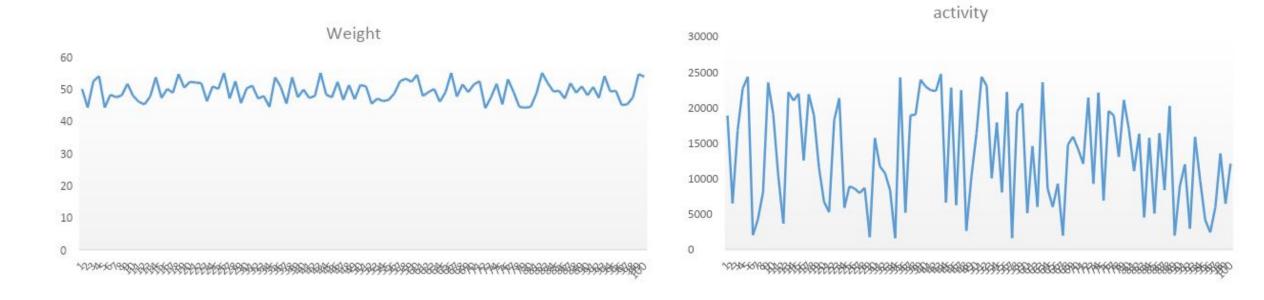


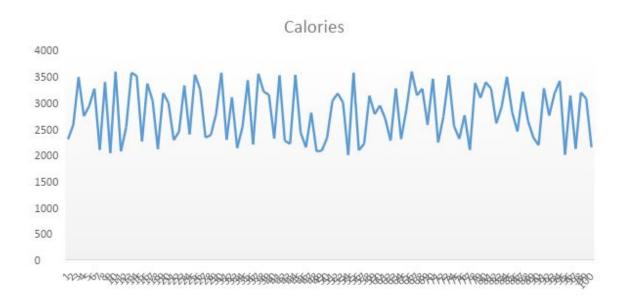
```
class UserStepCount(models.Model):
 11.11.11
profile = models.ForeignKey(AppUserProfile, blank=False, related_name='steps')
steps = models.ForeignKey(settings.STEP_MODEL, blank=False)
class Meta:
     unique_together = ('profile', 'steps')
     verbose_name_plural = "Шаги пользователя"
def __unicode__(self):
     return self.steps
         "first name": self.first_name,
         "last name": self.last name,
         "birthday": self.birthday,
         "gender": self.gender,
         "blood type":self.blood type,
         "skin_type":self.skin_type,
         "height": self.height
         #"languages": [l.full() for l in self.languages.filter(is_active=True)]
```

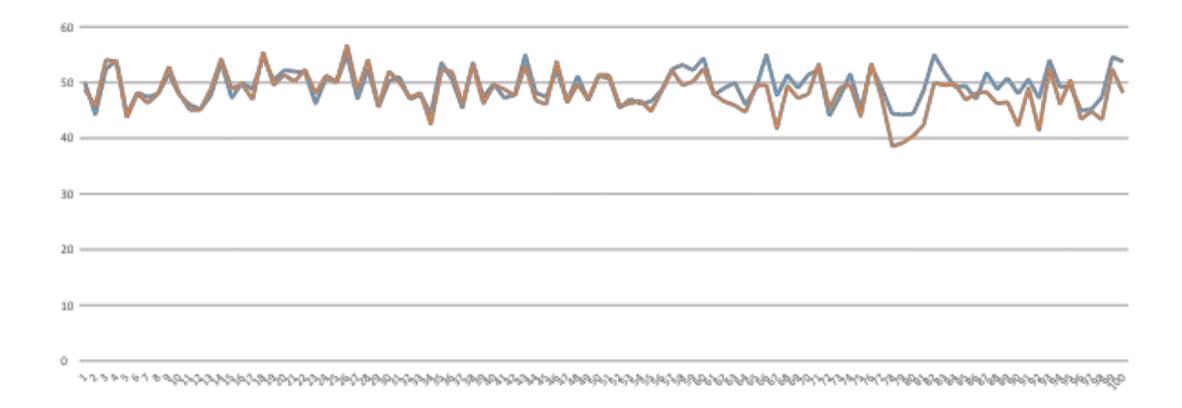
Django REST framework Api Root / Weight List Weight List OPTIONS GET GET /api/weights/ HTTP 200 OK Allow: GET, POST, HEAD, OPTIONS Content-Type: application/json Vary: Accept [] Raw data HTML form

User		
CreatedDate	дд.мм.гггг	
Weight		
Bmi		









Economic estimations

Profitability Index	1.43
Revenue	8 136 000 (KZT)
Payback Period	0.7
Profit	2 443 640 (KZT)
Cost	5 692 360 (KZT)

tangible income

- notification advertisements
- premium version □ 1650(KZT)

Sources of income

Success criteria

- ✔ Profitability Index = 43%
- ✓ In market has no competitors
- ✓ Has a big opportunities for changing health care sphere
- ✔ Originality and relevance in today
- ✓ Users get a motivation lead a healthy lifestyle

Thank you for a attention!!!