

Министерство образования и науки Республики Казахстан

Astana IT University

ОТЧЕТ

О выполнении программы производственной практики

База практики: ООИ “Елорда әділет орталығы”

Студент: Янфуев Рият Ринатович

Образовательная программа: Software Engineering

Группа: SE-2011

Руководители практики: Хаймульдин Н. Г.

Нур-Султан 2023

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Introduction

Place of Internship

My industrial practice was at "Elorda Adilet Ortalygy" company. This industrial practice is to develop an online platform for advanced training based on the terms of reference of the Public Association of Persons with Disabilities "Elorda Adilet Ortalygy".

Goals and objectives of the internship

My industrial practice is to develop an online professional development platform for the organization "Elorda Adilet Ortalygy". Given that the company is involved in public organization and frequently travels to conduct seminars for various companies and people, Elorda Adilet Ortalygy needs an online platform where their materials will be posted to increase qualification and share knowledge as well as to enable people to receive a certificate after successfully completing the course. My main goals of the internship at this company were to apply the theoretical and practical knowledge of working as a back-end developer, as well as to increase hard and soft skills. The first step for anyone interested in enrolling in a course on the platform is to register for an account. After that, participants will have access to the lecture material designed to enhance their skills in various activity areas. The lecture materials, which include audio, text, and video classes, may be updated by the administrator. Exams based on the subject matter of earlier lectures will be made accessible after the lectures. After passing, the certificate will include the exam results.

Main part

Theoretical part

A backend developer is responsible for writing the web services and APIs used by front-end developers and mobile app developers. They oversee the server-side web application logic as well as the integration of the front-end part.

Python is a computer programming language often used to build websites and software, automate tasks, and conduct data analysis. Python is a general-purpose language, meaning it can be used to create a variety of different programs and isn't specialized for any specific problems.

The Django web framework is a free, open source framework that can speed up development of a web application being built in the Python programming language.

Responsibilities of a Django Backend Developer:

- Developing and maintaining the backend of web applications;
- Designing and implementing APIs to communicate with the frontend and other systems;
- Developing database models and handling data storage;
- Writing and executing unit tests to ensure the quality and functionality of the code;
- Optimizing the performance and scalability of the backend by implementing caching, load balancing, and other techniques;
- Working with the frontend team to ensure seamless integration between the backend and frontend components of the application;
- Troubleshooting and debugging issues in the backend and providing technical support to other team members.

Tools used in practice:

- Backend was written in the Django framework[1].

django

- MySQL[2] was used as the database.



- PyCharm of JetBrains was used as an IDE (Integrated development environment).



- Trello[4] was used to manage tasks.



- StackOverflow[5] as the main source to search for help to solve problems.



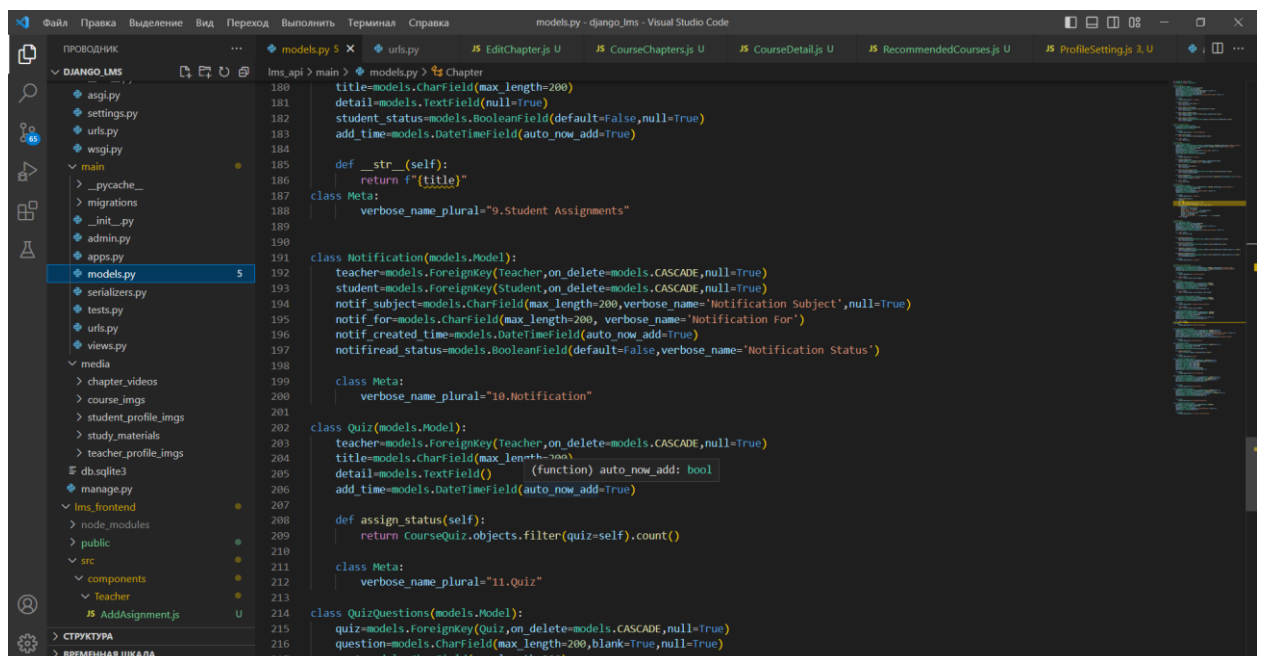
Practical part

The main task of the industrial practice was to develop an online platform for advanced training for the company "Elorda Adilet Ortalygy". In this project, I was a backend developer. The backend was written in Django Python Framework. My responsibilities included:

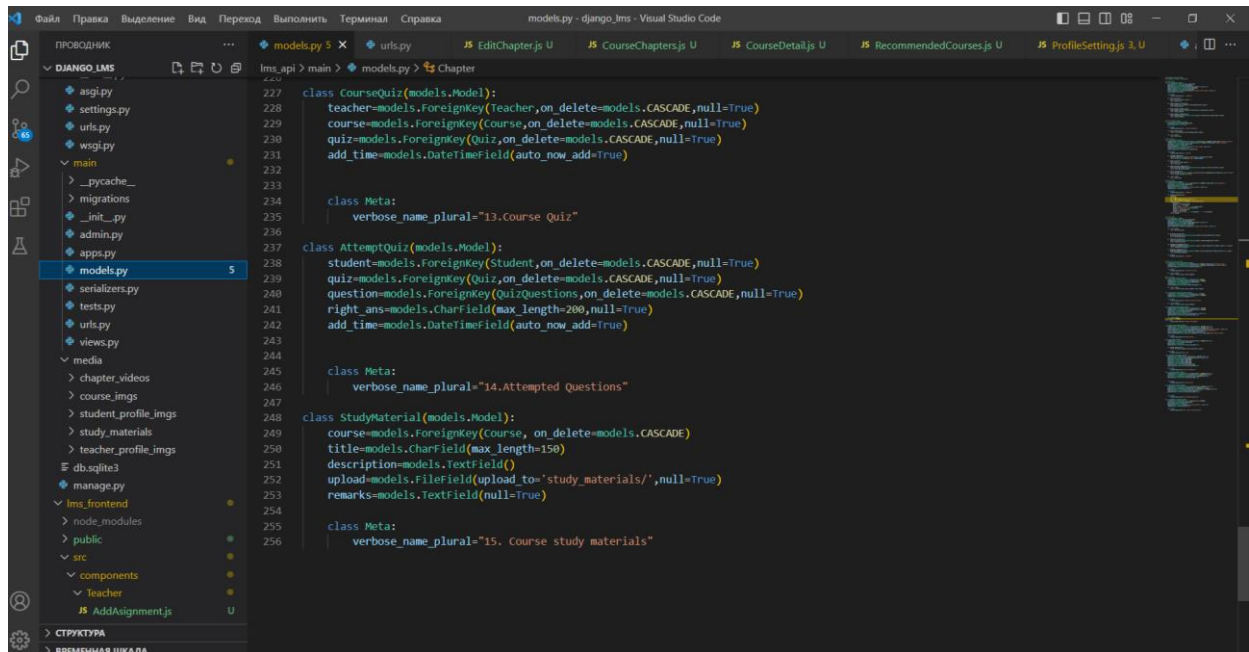
- Building RESTful APIs(designing and implementing the backend APIs that consumed by the frontend of the application);
- Managing databases(designing and managing the database schema of the application);
- Writing efficient and scalable code(writing code that is optimized for performance and scalability);
- Collaborating with other developers(working closely with other developers, including frontend developers, to ensure that the application is built according to the specifications and that it meets the requirements of the stakeholders);
- Deploying the application(deploying the application to production servers and ensuring that it is running smoothly).

Screenshots:

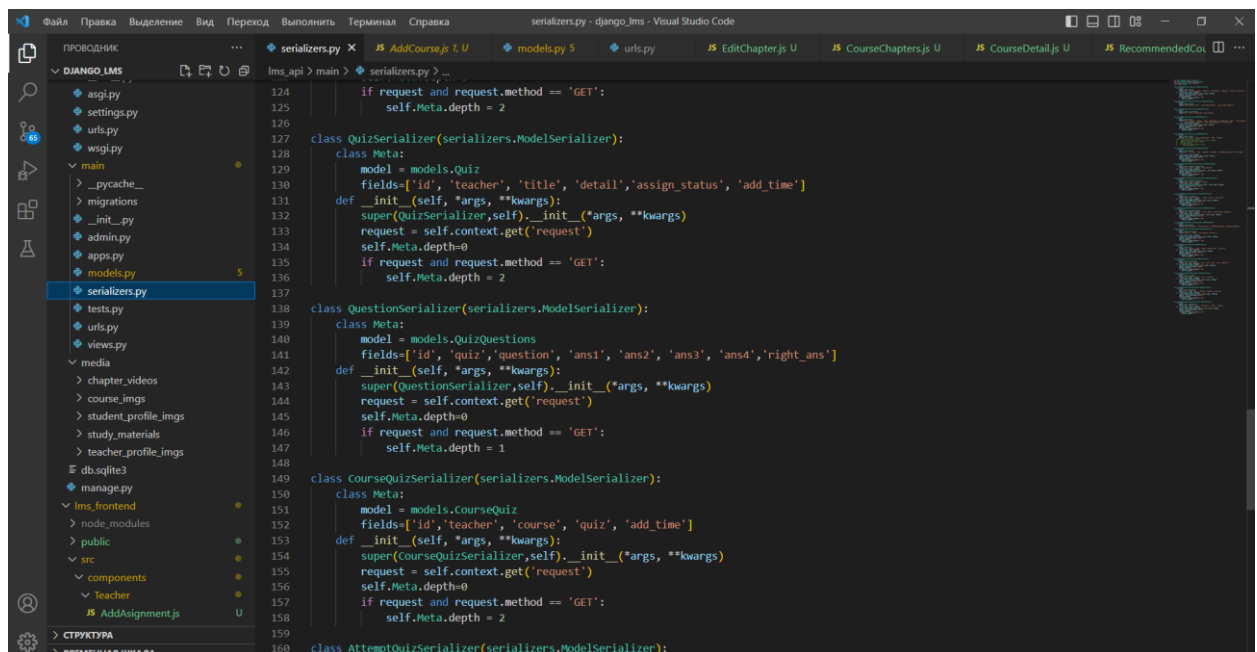
Models.py:



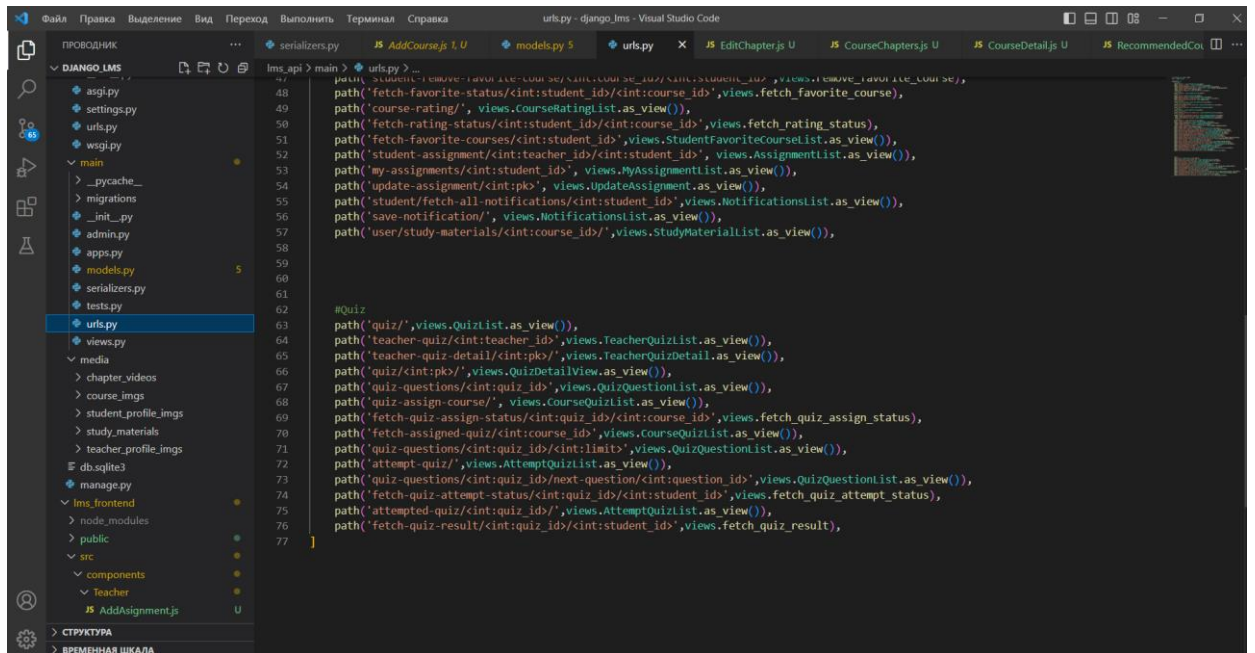
```
models.py
180 title=models.CharField(max_length=200)
181 detail=models.TextField(null=True)
182 student_status=models.BooleanField(default=False,null=True)
183 add_time=models.DateTimeField(auto_now_add=True)
184
185 def __str__(self):
186     return f"{title}"
187
188 class Meta:
189     verbose_name_plural="9.Student Assignments"
190
191
192 class Notification(models.Model):
193     teacher=models.ForeignKey(teacher,on_delete=models.CASCADE,null=True)
194     student=models.ForeignKey(student,on_delete=models.CASCADE,null=True)
195     notif_subject=models.CharField(max_length=200,verbose_name="Notification Subject",null=True)
196     notif_for=models.CharField(max_length=200,verbose_name="Notification For")
197     notif_created_time=models.DateTimeField(auto_now_add=True)
198     notifread_status=models.BooleanField(default=False,verbose_name="Notification Status")
199
200     class Meta:
201         verbose_name_plural="10.Notification"
202
203
204 class Quiz(models.Model):
205     teacher=models.ForeignKey(teacher,on_delete=models.CASCADE,null=True)
206     title=models.CharField(max_length=200,auto_now_add=True)
207     detail=models.TextField()
208     add_time=models.DateTimeField(auto_now_add=True)
209
210     def assign_status(self):
211         return CourseQuiz.objects.filter(quiz=self).count()
212
213     class Meta:
214         verbose_name_plural="11.Quiz"
215
216
217 class QuizQuestions(models.Model):
218     quiz=models.ForeignKey(quiz,on_delete=models.CASCADE,null=True)
219     question=models.CharField(max_length=200,blank=True,null=True)
220     ans=models.CharField(max_length=200)
```



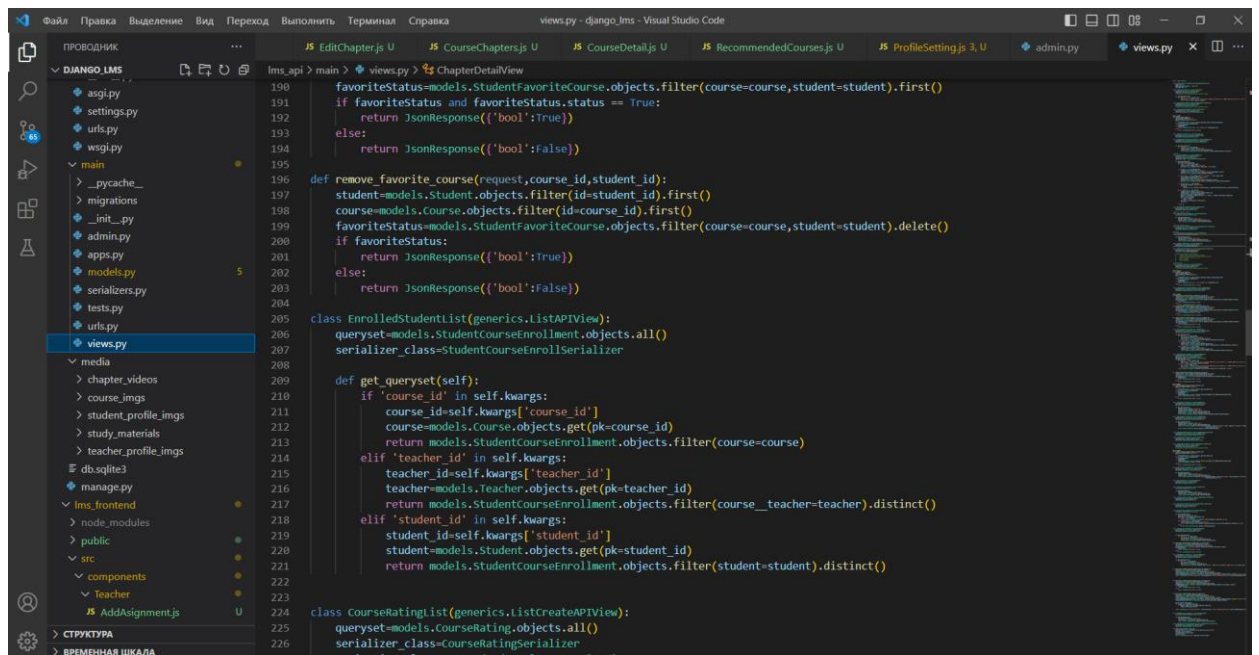
Serializers.py



Urls.py



Views.py



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Latest Courses



django

Django/Php

Yuli Antona Платное

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- Калифорния 10 штук
- Калифорния 10 штук
- Платформа Петербург (3000)
- Платформа 1.8
- Самые
- 1775 106 33 62
- 1775 106 33 62
- 1775 106 33 62

4 нед. Ответить

gubara.bagishe Спасибо что доставили вовремя

4 нед. Ответить

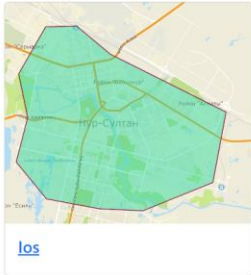
alexsa m Самые лучшие работы

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saga_alphan Один из моих любимых

4 нед. Ответить

[Python](#)



[los](#)

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4 нед. Ответить

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[1](#)

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Full Name

Bagdat Bekbayevv


Email

bekbaevb2001@gmail.com

Profile Image

Выберите файл

Файл не выбран

Bagdat Bekbayevv

Scills

Php, Java, Python and JavaScript

Php, Python, Javascript, etc

Qualification

azamatas

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Conclusion

I learned a lot during my internship at "Elorda Adilet Ortalygy" company. Here I learned all the delights of working in a team, and also learned how to complete tasks ahead of schedule. All the knowledge acquired while studying at the university helped me during my practice, and also developed my hard and soft skills. I believe that my main achievement is that I learned the difference between working in a team and individual work. My level and knowledge in software engineering has grown significantly. During the internship, I received a lot of experience from my colleagues, and also shared my knowledge with friends. I want to express my gratitude to my colleagues and employer for giving me the opportunity to show myself, as well as to eradicate my shortcomings.

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КАЛЕНДАРНЫЙ ПЛАН-ГРАФИК ПРОХОЖДЕНИЯ ПРАКТИКИ ОТ ПРЕДПРИЯТИЯ

Янфуев Рият Ринатович, студент 3 курса, образовательной программы «Software Engineering», проходившего практику с «27» февраля 2023 г. по «22» апреля 2023 г.

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| 8 нед. | Сдача отчета по практике и отзыва характеристики. | 17.03.2023 - 22.04.2023 | ООИ "Елорда әділет орталығы" | 10/10 |

Руководитель практики от предприятия

Ибраев А.С.



М.П.

Руководитель практики от АИТУ

Хаймульдин Н.Г.

Подпись студента

Рият

В коллективе вежлив и дружелюбен. Претензий и замечаний во время прохождения практики не получал. Получил устную благодарность от руководства организации за добросовестное и качественное выполнение поставленных при прохождении практики задач.

Применил приобретенные умения в порученных ему заданиях. При возникновении сложностей, спрашивал и получал ответы на свои вопросы.

Рекомендуемая оценка 100

от организации, первый руководитель *Ибраев А.С.*



2023 г.