

Django Internship Assignment

If you are seeing this, it means your application has been shortlisted for review. To move forward and secure the internship, please complete the following assignment.

Assignment Task:

You are required to build a small Django project that demonstrates your backend development skills. The assignment includes Django REST Framework, authentication, Celery, Telegram bot integration, and proper code management.

Requirements:

1 Django Project Setup

- Create a Django project using Django Rest Framework (DRF).
 - Setup proper `settings.py` for production:
 - Set `DEBUG=False`.
 - Use environment variables for secrets (e.g. secret key, DB credentials, API keys).
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2 API Development

- Create at least **2 API endpoints**:
 - Public endpoint (accessible to everyone).
 - Protected endpoint (accessible only to authenticated users using **TokenAuth** or **JWT**).
 - Implement Django Login for web-based access.
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3 Celery Integration

- Setup **Celery with Redis** as the broker.
 - Implement one background task (example: send email after user registration).
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4 Telegram Bot Integration

- Create a Telegram Bot using Telegram Bot API.
 - When users send a `/start` command to the bot, collect their **Telegram username** and store it into your Django database.
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5 Code Management

- Upload complete source code to **GitHub**.
 - The repository must have:
 - Proper commit history.
 - Clean, well-documented code.
 - A detailed **README.md** with:
 - Setup instructions
 - Environment variables used
 - How to run locally
 - API documentation (if possible)
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Submission:

- Submit your **GitHub Repository URL** only.
 - No deployment is required.
 - Submission Deadline: **within 7 days of receiving this assignment**
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Note:

- ☒ This assignment is mandatory to qualify for internship selection.
 - ☒ Focus on writing **clean, production-ready code**.
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Good luck — we are excited to review your work!