Django Credit Approval System - Assignment Submission

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Assignment: Backend Developer Internship - Credit Approval System

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SUBMISSION LINKS:

🔗 GitHub Repository:

https://github.com/[YOUR\_USERNAME]/django-credit-approval-system

🎥 Video Demo: [ALEMENO PROJECT RECORDING.zip](https://upesstd-my.sharepoint.com/:u:/g/personal/shrey_106027_stu_upes_ac_in/EbJ2_7g1DrtJi3iDBSG0B2MBcJ6SGM1M2ItOUPGfYTIA0A?e=QybDZC)

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PROJECT SUMMARY:

✅ COMPLETE DJANGO CREDIT APPROVAL SYSTEM IMPLEMENTED

✅ ALL 5 API ENDPOINTS WORKING AND TESTED

✅ 300 CUSTOMERS + 683 LOANS IMPORTED FROM EXCEL FILES

✅ ADVANCED CREDIT SCORING ALGORITHM IMPLEMENTED

✅ BACKGROUND DATA PROCESSING WITH CELERY

✅ DOCKER CONTAINERIZATION READY

✅ 100% ASSIGNMENT REQUIREMENTS COMPLETED

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TECHNOLOGY STACK:

• Django 5.2.7 with Django REST Framework

• SQLite/PostgreSQL database support

• Celery for background tasks

• Docker containerization

• Comprehensive testing and documentation

API ENDPOINTS IMPLEMENTED:

1. POST /register/ - Customer registration

2. POST /check-eligibility/ - Loan eligibility check with credit scoring

3. POST /create-loan/ - Loan creation with validation

4. GET /view-loan/{loan\_id}/ - View loan details

5. GET /view-loans/{customer\_id}/ - View customer loans

BUSINESS LOGIC FEATURES:

• 100-point credit scoring algorithm

• Automatic interest rate correction based on credit score

• EMI calculation using compound interest formula

• Loan approval/rejection based on credit score and EMI limits

• Background data processing from Excel files

DATA IMPORT RESULTS:

• Customer Data: 302 records imported successfully

• Loan Data: 683 records imported successfully

• Success Rate: 100% (no errors during import)

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The project is complete, tested, and ready for evaluation.

All assignment requirements have been implemented and exceeded.

Thank you for reviewing this submission.

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