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Address: Gudivada, Krishna District Andhra Pradesh-521301

Role: Team Lead

Duration: 2 Months

ProjectName: IPO Web Application & REST API Development

Date: **Date: 7th September 2024**

Students Observation (Record main points)

**1. Activities during the day:**

- Researched IPO concepts, stock market trends, and market volatility.
- Outlined key features of the project and brainstormed the API structure with teammates.

**2. Theoretical knowledge acquired:**

- Understood stock market terms like offer price, listing day gain, and bid lots.

**3. Practical skills obtained:**

- Set up the project in Notion for task tracking and management.

**4. Conclusions, notes, and comments:**

- Breaking the project into phases will ensure smooth progress.

Remarks by supervisor

Signature of student

Signature of Industry Supervisor

Date: **9th September 2024**

Students Observation (Record main points)

**1. Activities during the day:**

- Installed Django and created the **initial project structure**.
- Worked on separating app modules such as login and IPO information.

**2. Theoretical knowledge acquired:**

- Learned about Django's **MTV architecture** (Model-Template-View).

**3. Practical skills obtained:**

- Successfully created a virtual environment and ran the **Django development server**.

**4. Conclusions, notes, and comments:**

- Familiarity with Django will accelerate future development phases.

Remarks by supervisor

Signature of student

Signature of Industry Supervisor

Date: 11th September 2024

1. **Activities during the day:**

- Installed **PostgreSQL** and connected it to Django.
- Created database models for user details and IPO data.

2. **Theoretical knowledge acquired:**

- Learned about **foreign key relationships** between tables.

3. **Practical skills obtained:**

- Set up PostgreSQL using **pgAdmin4** and executed basic CRUD operations.

4. **Conclusions, notes, and comments:**

- Proper data relationships will prevent issues during data retrieval.

Remarks by supervisor

Signature of student

Signature of Industry Supervisor

**Date: 13th September 2024**

Students Observation (Record main points)

**1.Activities during the day:**

- Implemented **user authentication** (sign-up and login pages).
- Ensured passwords were securely **hashed**.

**2.Theoretical knowledge acquired:**

- Learned about **session management** and cookies in web applications.

**3.Practical skills obtained:**

- Successfully created and tested **login and registration forms**.

**4.Conclusions, notes, and comments:**

- Authentication will be critical for access control in the IPO portal.

Remarks by supervisor

Signature of student

Signature of Industry Supervisor

**Date: 15th September 2024**

Students Observation (Record main points)

**1.Activities during the day:**

- Worked on integrating **Bootstrap** for frontend design.
- Built the **navigation bar and basic layout** for the website.

**2.Theoretical knowledge acquired:**

- Gained an understanding of responsive design principles.

**3.Practical skills obtained:**

- Created reusable components using **HTML templates** in Django.

**4.Conclusions, notes, and comments:**

- User experience will be a key factor in retaining users.

Remarks by supervisor

Signature of student

Signature of Industry Supervisor

**Date: 17th September 2024**

Students Observation (Record main points)

**1.Activities during the day:**

- Helped teammates resolve bugs related to **database models**.
- Finalized **API endpoints** for IPO data retrieval.

**2.Theoretical knowledge acquired:**

- Understood **RESTful APIs** and how they facilitate client-server communication.

**3.Practical skills obtained:**

- Wrote and tested **GET and POST requests** using Django Rest Framework (DRF).

**4.Conclusions, notes, and comments:**

- Collaborative debugging helps improve team efficiency.

Remarks by supervisor

Signature of student

Signature of Industry Supervisor

**Date: 19th September 2024**

Students Observation (Record main points)

1. **Activities during the day:**

- Focused on the **integration** of backend and frontend.
- Configured **CORS policies** to allow seamless data exchange.

2. **Theoretical knowledge acquired:**

- Learned how to **serialize data** for API responses.

3. **Practical skills obtained:**

- Connected the login system with PostgreSQL using Django models.

4. **Conclusions, notes, and comments:**

- Smooth integration ensures user data flows without errors.

Remarks by supervisor

Signature of student

Signature of Industry Supervisor



**Date: 21st September 2024**

Students Observation (Record main points)

**1. Activities during the day:**

- Performed **unit testing** on individual components.
- Fixed bugs in **API requests and database queries**.

**2. Theoretical knowledge acquired:**

- Learned about **unit testing frameworks** in Django.

**3. Practical skills obtained:**

- Improved **query execution time** by optimizing code.

**4. Conclusions, notes, and comments:**

- Early testing prevents issues during deployment.

Remarks by supervisor

Signature of student

Signature of Industry Supervisor

**Date: 23rd September 2024**

Students Observation (Record main points)

**1. Activities during the day:**

- Conducted **team meetings** to finalize the project workflow.
- Integrated **AJAX calls** for asynchronous data updates.

**2. Theoretical knowledge acquired:**

- Learned about **AJAX** and its importance for smoother UX.

**3. Practical skills obtained:**

- Implemented **asynchronous form submissions** using JavaScript.

**4. Conclusions, notes, and comments:**

- AJAX will help reduce page load times.

Remarks by supervisor

Signature of student

Signature of Industry Supervisor

**Date: 25th September 2024**

Students Observation (Record main points)

**1. Activities during the day:**

- Started working on **pagination** for large IPO datasets.
- Reviewed teammates' code for **consistency and security**.

**2. Theoretical knowledge acquired:**

- Learned how to implement **pagination** in Django.

**3. Practical skills obtained:**

- Completed code reviews and fixed minor security issues.

**4. Conclusions, notes, and comments:**

- Regular code reviews ensure high code quality.

Remarks by supervisor

Signature of student

Signature of Industry Supervisor

**Date: 27th September 2024**

Students Observation (Record main points)

**1. Activities during the day:**

- Integrated user authentication features with backend APIs.
- Validated login credentials through PostgreSQL.

**2. Theoretical knowledge acquired:**

- Understood Django's authentication middleware and session management.

**3. Practical skills obtained:**

- Improved the login system for better user experience.

**4. Conclusions, notes, and comments:**

- A smooth login mechanism enhances user retention.

Remarks by supervisor

Signature of student

Signature of Industry Supervisor

**Date: 29th September 2024**

Students Observation (Record main points)

**1. Activities during the day:**

- Optimized backend queries for faster API responses.
- Implemented JWT authentication for enhanced security.

**2. Theoretical knowledge acquired:**

- Learned how to use JSON Web Tokens (JWT) for stateless authentication.

**3. Practical skills obtained:**

- Achieved faster database query performance.

**4. Conclusions, notes, and comments:**

- Securing APIs will be crucial for the project's scalability.

Remarks by supervisor

Signature of student

Signature of Industry Supervisor

**Date: 1st October 2024**

Students Observation (Record main points)

**1. Activities during the day:**

- Conducted bug-fixing sessions with teammates.
- Handled API endpoint issues for IPO data.

**2. Theoretical knowledge acquired:**

- Learned about API versioning to maintain backward compatibility.

**3. Practical skills obtained:**

- Improved API error handling and logging.

**4. Conclusions, notes, and comments:**

- Proactive bug-fixing will avoid issues during deployment.

Remarks by supervisor

Signature of student

Signature of Industry Supervisor

**Date: 3rd October 2024**

Students Observation (Record main points)

**1. Activities during the day:**

- Assisted team members with frontend-backend integration.
- Ensured that data was correctly displayed on IPO dashboards.

**2. Theoretical knowledge acquired:**

- Gained a deeper understanding of CORS policies.

**3. Practical skills obtained:**

- Integrated real-time data display using AJAX.

**4. Conclusions, notes, and comments:**

- Seamless integration is essential for a polished final product.

Remarks by supervisor

Signature of student

Signature of Industry Supervisor

**Date: 5th October 2024**

Students Observation (Record main points)

**1. Activities during the day:**

- Tested the application extensively for edge cases.
- Worked on improving mobile responsiveness with Bootstrap.

**2. Theoretical knowledge acquired:**

- Learned how to manage session expirations.

**3. Practical skills obtained:**

- Implemented breakpoints for responsive design.

**4. Conclusions, notes, and comments:**

- A responsive layout ensures better user experience across devices.

Remarks by supervisor

Signature of student

Signature of Industry Supervisor



**Date: 7th October 2024**

Students Observation (Record main points)

**1. Activities during the day:**

- Deployed the Django application on a test server.
- Validated data flow between APIs and PostgreSQL.

**2. Theoretical knowledge acquired:**

- Learned about environment variables in deployment.

**3. Practical skills obtained:**

- Fixed issues related to deployment configuration.

**4. Conclusions, notes, and comments:**

- Deployment on a test server ensures smooth final release.

Remarks by supervisor

Signature of student

Signature of Industry Supervisor

**Date: 9th October 2024**

Students Observation (Record main points)

**1. Activities during the day:**

- Integrated email notifications for user account actions.
- Configured SMTP settings in Django.

**2. Theoretical knowledge acquired:**

- Learned how email protocols work.

**3. Practical skills obtained:**

- Implemented automated emails for sign-ups.

**4. Conclusions, notes, and comments:**

- Automating notifications enhances user engagement.

Remarks by supervisor

Signature of student

Signature of Industry Supervisor

**Date: 11th October 2024**

Students Observation (Record main points)

**1. Activities during the day:**

- Handled deployment on the production server.
- Monitored application logs to resolve runtime errors.

**2. Theoretical knowledge acquired:**

- Learned how to manage server logs and diagnose issues.

**3. Practical skills obtained:**

- Fixed minor bugs in production.

**4. Conclusions, notes, and comments:**

- Proper monitoring is essential for a stable application.

Remarks by supervisor

Signature of student

Signature of Industry Supervisor

**Date: 13th October 2024**

Students Observation (Record main points)

**1. Activities during the day:**

- Worked on the admin panel to manage IPO data easily.
- Added user roles and permissions for admins.

**2. Theoretical knowledge acquired:**

- Learned about Django's admin interface customization.

**3. Practical skills obtained:**

- Assigned different roles and permissions.

**4. Conclusions, notes, and comments:**

- Admin management simplifies data handling.

Remarks by supervisor

Signature of student

Signature of Industry Supervisor

**Date: 15th October 2024**

Students Observation (Record main points)

**1. Activities during the day:**

- Conducted thorough performance testing.
- Validated the API response times under heavy load.

**2. Theoretical knowledge acquired:**

- Gained insights into load testing techniques.

**3. Practical skills obtained:**

- Optimized the backend to reduce latency.

**4. Conclusions, notes, and comments:**

- Performance tuning ensures scalability.

Remarks by supervisor

Signature of student

Signature of Industry Supervisor

**Date: 17th October 2024**

Students Observation (Record main points)

**1. Activities during the day:**

- Finalized API documentation for the project.
- Prepared a deployment script for future updates.

**2. Theoretical knowledge acquired:**

- Understood the importance of API documentation.

**3. Practical skills obtained:**

- Automated parts of the deployment process.

**4. Conclusions, notes, and comments:**

- Proper documentation will assist future developers.

Remarks by supervisor

Signature of student

Signature of Industry Supervisor

**Date: 19th October 2024**

Students Observation (Record main points)

**1. Activities during the day:**

- Conducted user acceptance testing with sample users.
- Fixed minor UI glitches.

**2. Theoretical knowledge acquired:**

- Learned about usability testing methodologies.

**3. Practical skills obtained:**

- Enhanced the UI based on user feedback.

**4. Conclusions, notes, and comments:**

- User feedback is valuable for improvements.

Remarks by supervisor

Signature of student

Signature of Industry Supervisor

**Date: 21st October 2024**

Students Observation (Record main points)

**1. Activities during the day:**

- Monitored live server performance post-deployment.
- Fixed security issues flagged during audits.

**2. Theoretical knowledge acquired:**

- Gained insights into security audits.

**3. Practical skills obtained:**

- Patched vulnerabilities and improved security.

**4. Conclusions, notes, and comments:**

- Security is a continuous effort.

Remarks by supervisor

Signature of student

Signature of Industry Supervisor



**Date: 23rd October 2024**

Students Observation (Record main points)

**1. Activities during the day:**

- Conducted the final code review with the team.
- Presented the project progress to mentors.

**2. Theoretical knowledge acquired:**

- Learned how to present a project effectively.

**3. Practical skills obtained:**

- Incorporated final feedback into the project.

**4. Conclusions, notes, and comments:**

- Presentation skills are crucial for success.

Remarks by supervisor

Signature of student

Signature of Industry Supervisor

**Date: 25th October 2024**

Students Observation (Record main points)

**1. Activities during the day:**

- Wrapped up all documentation and project deliverables.
- Handed over the project to stakeholders.

**2. Theoretical knowledge acquired:**

- Learned about project handover processes.

**3. Practical skills obtained:**

- Completed the final checklist for project closure.

**4. Conclusions, notes, and comments:**

- A well-documented project ensures easy future maintenance.

Remarks by supervisor

Signature of student

Signature of Industry Supervisor