Company: Techorics

Date of Joining: Jan 6

Area/Project/ Technology: Salesforce

Brief Introduction of the company: Techorics is a consulting company focused on delivering cloud solutions. It offers Salesforce Implementation and customization in Sales Cloud, Service Cloud and Experience Cloud. It mainly focuses on CRM (Customer Relationship Management).

Brief description of your role at the industry: My Role is to build and customise applications using Apex, Lightning Components, and Visualforce to meet business requirements.Architecture design to structure Salesforce data models, component-based UI architecture, and integration frameworks for scalability and efficiency

Progress Report Week 1 (from: dd/mm/yyyy to: dd/mm/yyyy)

- Overview of Tasks Accomplished:
    - [List of tasks completed during the week]
    - [Brief description of each task and its relevance to the internship goals]
- Key Achievements:
    - [Highlight any significant achievements or milestones reached]
    - [Explain the impact of these achievements on the internship project or objectives]
- Challenges Faced:
    - [Describe any obstacles or difficulties encountered]
    - [Discuss strategies implemented to overcome these challenges]
- Lessons Learnt:
    - [What you have learnt by doing the tasks of this week]
- Plans for the Next Week:
    - [Outline the tasks and goals for the upcoming week]
    - [Specify any resources or support needed from the mentor]
- Additional Comments or Observations:
    - [Any additional information relevant to the internship]

Progress Report Week 1 (from: 06/01/2025 to:10/01/2025)
Overview of Tasks Accomplished:

- I have joined the team and was introduced to my mentor, Waqar.
- I was introduced to the learning process through Trailheads and study materials.
- Given an overview of the learning timeline and project.

Key Achievements:

- I communicated with the team and mentor.
- I gained clarity on the learning roadmap.

Challenges Faced:

- I had difficulty adjusting to the new technologies.

Lessons Learnt:

- Learnt about the basics of Salesforce and about CRM.

Plans for the Next Week:

- I need to start studying Trailhead modules as instructed by the mentor.

Progress Report Week 2 (from: 13/01/2025 to: 17/01/2025)
Overview of Tasks Accomplished:

- I have attended a meeting with working developers.
- And have discussed doubts and received new study topics.
- Also observed the project discussion led by experienced developers.

Key Achievements:

- I have gained exposure to real-world Salesforce developer discussions.

Challenges Faced:

- I had difficulty in following technical discussions in meetings Like concepts that i don't know.

Lessons Learnt:

- How development meetings enhance learning and project understanding.

Plans for the Next Week:

- Continue studying assigned topics.
- Participate more actively in discussions.

Progress Report Week 3 (from: 20/01/2025 to: 24/01/2025)
Overview of Tasks Accomplished:

- We discussion on different Salesforce testing environments (Full, Partial Copy, Developer).
- Waqar cleared my doubts regarding testing environments.

Key Achievements:

- I understood different testing environments and their applications.
- Also engaged in knowledge-sharing sessions with fellow interns.

Challenges Faced:

- I had difficulty understanding the practical implications of each testing environment.

Lessons Learnt:

- I learnt about the differences between Full, Partial Copy, and Developer environments.
- The significance of testing environments in project development.

Plans for the Next Week:

- Study Salesforce object relationships and conversion methods.

Progress Report Week 4 (from: 27/01/2025 to: 31/01/2025)
Overview of Tasks Accomplished:

- We discussed about Lookup relationships and their conversion.
- I studied Master Detail and Lookup relationships in depth.
- I understood their differences and practical use cases.

Key Achievements:

- I gained clarity on different object relationships in Salesforce.
- I also learned about the key constraints and benefits of each relationship type.

Challenges Faced:

- I had a problem in understanding when to implement Master-Detail vs. Lookup relationships.

Lessons Learnt:

- **Lookup Relationship:** Loose relationship, independent ownership, no roll-up summary fields.
- **Master-Detail Relationship:** Tight relationship, parent ownership, roll-up summary fields possible.
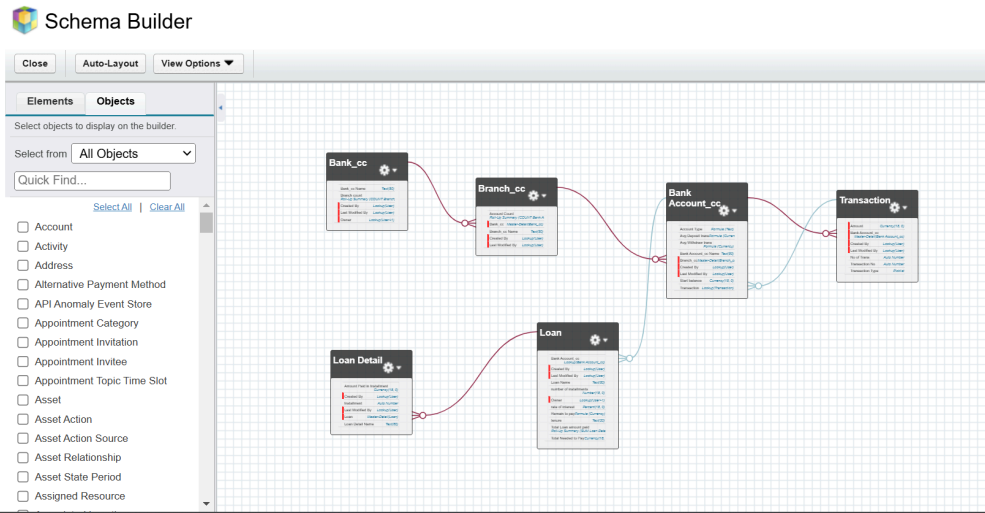
Plans for the Next Week:

- Implement Salesforce data modeling concepts.
- Practice relationship conversions in a developer environment.

Progress Report Week 5 (from: 03/02/2025 to: 07/02/2025)
Overview of Tasks Accomplished:

- I Implemented a Salesforce application simulating banking functionalities (App Label: "Bank").
- I designed and created the following tables: Bank, Branch, Account, Loan, Loan Detail, and Transaction.

- The assumed constraints are :
    - A bank has multiple branches; a branch cannot exist without a bank.
    - A branch has multiple accounts; an account cannot exist without a branch.
    - Accounts can be transferred between branches.
    - Transactions (withdrawals/deposits) must be linked to accounts.
    - Predefined loans exist for banks, and accounts can have multiple loans.
- Implemented validation rule, Calculated fields and roll-ups

Key Achievements:

- I successfully implemented a multi-object relational structure within Salesforce.
- And developed a banking system with automated field validations and constraints.
- I also learned about practical data modelling concepts in Salesforce.

Challenges Faced:

- I faced challenges when defining appropriate relationships between objects while ensuring referential integrity.
- And while Implementing validation rules effectively to prevent incorrect data entry.
- To create create average i created a new lookup relation when is unnecessary cause we can use the roll-up summary field and can find the Avg too.

Lessons Learnt:

- How to structure complex applications within Salesforce.
- Importance of setting up validation rules for data consistency.
- Using calculated fields and roll-up summaries effectively.

Plans for the Next Week:

- Enhance the banking application by implementing additional business logic.
- Work on UI enhancements and automation within the system.