# Final Assignment

1. Create a publisher called Ejada with a prefix "eja".
2. Create a solution called "Timesheet".
3. Create an Application called "Timesheet" using the solution created in the previous step.
4. Create an entity called "Timesheet" with primary field called "Timesheet Id" with the below fields.
   - Timesheet Id: the primary field (auto number).
   - Employee: lookup for an entity called "Employee".
   - Month: Single Line of Text. Set it automatically by the current month on creation.
   - Reporting Period: Single Line of Text. Set it automatically with (From 22-Previous month-year to 21-current month-year) ex: **From 22-Jul-2023 to 21-Aug-2023**
   - Working days: Whole Number .Set it  automatically based on work days calculated from the reporting period (exclude Fridays and Saturdays)
   - Reported days: Whole Number. Calculated based on total no of hours of tasks
   - Submission Due Date: Single Line of Text. Set it  automatically by (21-Current month-year)
   - Approval Due Date: Single Line of Text. Set it  automatically by (26-Current month-year)
   - Submission Date: DateTime.
   - Approval Date: DateTime.
   - Approved by: lookup for user.
   - Rejected by: lookup for user
   - Submit Timesheet button: Makes form& subgrid locked, Assign the record "Leader team", Change Timesheet status to "Submitted", Set Submission Date field with the current date & time. Appears only in case of current date equals submission due date.
   - Security role "Leader" (approve or reject time sheet record )
   - Time sheet status reason values are:
     New: when the record is created and Status is active
     Under approval: When time sheet record is submitted and Status is active
     Rejected: when time sheet record is rejected and Status is inactive
     Approved: when time sheet record is approved" and Status is inactive
   - When record is rejected (pressing on Rejected button): change status reason to "rejected" and assign the record to employee + display a field called "Rejection Reason" and set it required to the leader.
   - Approve Timesheet button:
     Display it when the current user is member of the owner team
     Set Approval Date with the current date& time
     Set Approved by with current user
     Change Timesheet Status to Approved (Inactive Status)
   - Reject Timesheet Button:
     Display it when the current user is member of the owner team
     Set Rejected by with current user
     Change Timesheet Status to Rejected (Active Status)

5. Create a team called Leaders and assign the security role "Leader" to it
6. Create an entity called "Task" with the below fields:
   - Project: lookup on project (shows active project records only),
   - No of hours working. each 8 hours makes a day, calculated based on start date(date and time) and end date of the task.
   - Employee lookup
   - Description is multiple line of text (put it on a section)

7. SLA-> Start: When the Timesheet Status is Under Approval KPI: Leader Approval. Counter: 5 days - Success Condition: Approved/Rejected - Failure: Change Timesheet Status to "Need an Action" (Inactive Status)

8. Project entity with the below fields:
   - Primary field is "Project code"
   - Project Manager: lookup for employee
   - Project Start Date is date only
   - Project End Date is date only
   - Subgrid on employee called "Project Team Members".
9. Create records on project entity :
   000 - Annual Vacation (Active)
   001 - Internal Training (Active)
   002 - Project 1 (Active)
   003 - Project 2 (Active)
   004 - Project 3 (Inactive)
   005 - Project 5 (Inactive)
10. Create an BPF with stages based on status(time sheet draft , time sheet under approval, time sheet final status)
11. Create a report (shows employees and their tasks involved in each project) and put another 5 columns that will show useful data in the report.