There are total three layers – HTML5 (UI), Java (Business Logic / Server Side) and Hana (DB for Persistence)

HTML 5 (SAPUI5) App -

1. Labor Relations App Admin (End User – Union Head which handles employee legal complaints)–
   1. Only accessed by the users having role AdminAppUsers of the cloud platform.
   2. Main View –
      1. Contain two Tiles - Labor Relations App and Reporting App

Tile 1 – Labor Relation App

* 1. Case Master View -
     1. Showing all the lodge cases by any employee against other employees/Union/Company
     2. It shows the following details of the case -
        1. Lodge Case Type
        2. Case Id
        3. Case Sub Type
        4. Status (Change of Status Color proportional to max date to act on the case)
  2. Case Detail View -
     1. Object Header to show few attributes of the case -
        1. Raised By – Person who has raised the case
        2. Aggrieved Employee – Against who the case is being raised
        3. Until – Max date limit to act upon
        4. Different Status Text depending on the action taken like Outcome accepted or Case Closed
     2. Showing the details of the lodge case -
        1. Case Details – Updatable Fields
           1. Reason – reason to lodge a case
           2. Description – detailed description of the case
           3. Status - We can change status after a specific action is taken to move to next step or status
           4. Category – Case Category
           5. External Case Number – When the case goes into the court
           6. Linked Case Number – Any other case is being related to this case
        2. Participants – Updatable Table – Assigning participants to the roles who will required to discuss the case details and provide their inputs to take decisions.
           1. Participant Roles – Roles required for the specific case type and sub type
           2. Assigned on- Date on which the participant is assigned to the role
           3. Type – External Person or internal Employee
           4. Participant Name - Name of the participant
           5. Participant Id – Id of the participant
        3. Processes and Outcomes – Steps and outcomes of each step – Updatable Table to assign outcome for each step.
           1. Step Description or Process
           2. Outcome of the step (Dropdown to select the outcome of the current step)
           3. Accepted – Check Box to make the outcome accepted
        4. Attachments – Updatable Upload Collection to add the case related documents (One Doc at a time). Save the documents in the document repository of the cloud platform
  3. Create New Case View – Form to lodge a case on behalf of company or any other employee
     1. Against – Aggrieved Employee
     2. From – Raised by Employee
     3. Case Type
     4. Reason /Nature
     5. Auto Select of Case Category based on Selection of Nature and Case type
     6. Case Date – Defaulted to Today Date
     7. External Case Number – Case raised in the court
     8. Linked Case Number – it’s a follow up of any other case
     9. Description of the case – Case Description
     10. Attachment – Related Docs for the case like court case copy or any clicked picture

Tile 2 – Reporting and Searching App

* 1. Report View
     1. Showing all the cases which filtered out based on filters in the filter bar
     2. Following are the filters
        1. Case Number – Input Field to get exact case in the table
        2. Creation Period – Date Range Between which case were lodged
        3. Case Status – Cases which are in statuses selected
        4. Nature Reason - Cases which are in reasons selected
        5. Employee –Case against who the case is being raised (Searchable Input field which gives Employee names on Typing)
        6. More Filters in the dialog – Linked Case Number, External Case Number, Sub Case type, Participants Name, Raised By, Accepted Outcome or not
     3. We can Export the filtered cases to Excel.

1. Labor Relations App Employee (End User – Employee of the company to lodge cases against company or another employee)
   1. Accessed by all the users who are authenticated, no authorizations
   2. Case Master View -
      1. Showing all the lodge cases of logged in employee
      2. It shows the following details of the case -
         1. Lodge Case Type
         2. Case Id
         3. Case Sub Type
         4. Status (Change of Status Color proportional to max date to act on the case)
   3. Case Detail View -
      1. Object Header to show few attributes of the case -
         1. Case Number
         2. Case Type and Sub Type
         3. Current Status with different status color proportional to max date to act on the case
         4. Aggrieved Employee – Against who the case is being raised
         5. Until – Max date limit to act upon
         6. Different Status Text depending on the action taken like Outcome accepted or Case Closed
      2. Showing the details of the lodge case -
         1. Case Details –
            1. Reason – reason to lodge a case
            2. Description – detailed description of the case
            3. Status - We can change status after a specific action is taken to move to next step or status
            4. Category – Case Category
            5. External Case Number – When the case goes into the court
            6. Linked Case Number – Any other case is being related to this case
         2. Participants – Assigning participants to the roles who will required to discuss the case details and provide their inputs to take decisions.
            1. Participant Roles – Roles required for the specific case type and sub type
            2. Assigned on- Date on which the participant is assigned to the role
            3. Type – External Person or internal Employee
            4. Participant Name - Name of the participant
            5. Participant Id – Id of the participant
         3. Processes and Outcomes – Steps and outcomes of each step – Updatable Table only to accept outcome for each step.
            1. Step Description or Process
            2. Outcome of the step
            3. Accepted – Check Box to make the outcome accepted
         4. Attachments – Upload Collection to add the case related documents (One Doc at a time). Save the documents in the document repository of the cloud platform
   4. Create New Case View – Form to lodge a case against company or any other employee
      1. Against – Aggrieved Employee
      2. Case Type
      3. Reason /Nature
      4. Auto Select of Case Category based on Selection of Nature and Case type
      5. Case Date – Defaulted to Today Date
      6. External Case Number – Case raised in the court
      7. Linked Case Number – it’s a follow up of any other case
      8. Description of the case – Case Description
      9. Attachment – Related Docs for the case like court case copy or any clicked picture.
2. Table Maintenance App – To Maintain (Create, Update and Delete Entries) the Labor Relations App main Tables. (Tiles)
   1. Case Type – Different Case Types of a Case (id, description)
   2. Sub Case Type – Different sub types of a case (id. description)
   3. Case Status - Different statuses of a case (id. description)
   4. Case Category - Different categories of a case (id. description)
   5. Case Nature - Different Natures of a case (id. description)
   6. Nature Category Map – Create Association between nature and category (mapping the possible natures with categories created in respective tables)
   7. Case Outcome – Different possible outcomes of a case (id, description)
   8. Case Role – Different possible roles who can take part in a case. (id, Role text, Description)
   9. Business Rule – Business Rules per case type to carry out the case proceedings like case handling days, case meeting days, etc.
   10. Status Business Rule – Rule on Status like till when the status needs to be act on.

All tables will have Start Date and End Date fileds to determine the active values and to deactivate values.

Assign Tile –

* 1. This tile is to create associations between case- subcase types and other base tables.
     1. Status and Outcomes – Assigning different outcomes per status per case-subcase type.
     2. Case Roles – Assigning different roles valid per case-subcase
     3. Nature-Category – Assigning different case nature category association per case-subcase type.
  2. We can create association between case type and sub case type

Java App -

Please refer these two links for details on java app

1. App Apis:

<https://northgateisltd-my.sharepoint.com/:w:/r/personal/satyam_singh_ngahr_com/Documents/XtendHR%20-%2000.%20Projects/10_Ongoing/ERWAT/2018/10_Planning/10_2_Project_Planning/App%20Java%20Apis.docx?d=w32d039ce1e65464389ac24f739945895&csf=1&e=wajbRE>

1. Table Maintenance App Apis:

<https://northgateisltd-my.sharepoint.com/:w:/r/personal/satyam_singh_ngahr_com/Documents/XtendHR%20-%2000.%20Projects/10_Ongoing/ERWAT/2018/10_Planning/10_2_Project_Planning/Table%20Maintenance%20Apis.docx?d=w6b723e1b9e954ee3bdaa66ed80a317c2&csf=1&e=5dAMLH>

Hana DB layer – Please Refer:

https://northgateisltd-my.sharepoint.com/:i:/r/personal/satyam\_singh\_ngahr\_com/Documents/XtendHR%20-%2000.%20Projects/10\_Ongoing/ERWAT/2018/30\_Execution/30\_2\_Designs/ERWAT\_LR\_ER\_Diagram.png?csf=1&e=y7BOJE