

AHMEDABAD UNIVERSITY SCHOOL OF COMPUTER STUDIES

Semester - VI

☐ Software Project (TYBCA)

☐ Industry Internship (TYMCA)

Checklist form for Project

	Group No. : _____	Date : _____	Verified by Team	Verified by Internal Faculty
	Roll No.s	Member Names		
1				
2				
3				
4				
Sr.	Particulars		Status (/ X)	
1	Use case diagrams(MCA)/Data Flow Diagrams(BCA)			
a	First diagram is the global use case diagram prepared to show ALL the actors and their main functionalities.			
b	Then, either module wise or actor wise individual diagrams are prepared.			
c	Every use case diagram shows normal and abnormal functionality when applicable.			
d	Extends, includes etc are used as required and generalization relationships between use cases are shown.			
2	Class Diagram(MCA)/Entity Relationship Diagram(BCA)			
a	There is only one class diagram for the whole system. (Can be relaxed if system is very big and it is not possible to prepare one class diagram).			
b	All analysis classes from the problem-statement are represented in Class-diagram along with different relationships between them.			
c	Every relationship is given a descriptive name for clear interpretation of the model e.g. Customer places Order. (places is relationship)			
d	Important attributes and operations are shown in each class.			
e	Proper multiplicities are assigned to each relationship.			
3	Sequence Diagrams (MCA)			
a	Separate sequence diagrams for only important use-cases or important work-flows of the system having complex business-logic are shown.			
b	Name of the use-case or work-flow is mentioned at the top of every sequence diagram. E.g sequence diagram for purchasing a product online or for sending e-mail.			
c	Every sequence diagram represents normal as well as abnormal execution sequences of the system.			
4	Activity Diagram (MCA)			
a	Complex workflows and logic of the system are represented using activity diagram.			
b	A separate activity diagram is prepared for user-navigation flow according to different menus and menu-options.			
5	Data Dictionary			
a	Data Types Written for all fields			
b	Proper Field Size Written for all fields e.g. Char 1 for Gender M/F.			
c	Null / Not Null mentioned for all fields			
d	Primary key defined for every table (as far as possible NOT auto			

	generated)		
e	All Foreign keys shown for all tables with proper references		
f	Database Normalized with separate tables for Country, State, City, Category, salutation, department master etc.		
g	Password stored in encrypted form.		
h	Every table should have following columns : Sr no, Field name, field type and size, constraints, Description.		
i	Proper sample data for important fields of important tables is shown for better understanding.		
6	Screens / Forms		
a	Proper Title given to every form e.g. Employee Master Maintenance, Invoice Data Entry etc.		
b	User name of the logged in user shown on every screen		
c	Proper date format (dd/mm/yyyy or mm/dd/yyyy or dd-mon-yyyy used on screens)		
d	Date picker is used for dates and / or proper validation is kept for dates.		
e	Currency (Rs., \$ etc) shown for amount fields.		
f	Amount fields right aligned.		
g	Minimum password length (for 6 characters) enforced and shown on login screen.		
h	Forgot password and change password facilities given.		
i	Password strength shown while changing password.		
j	New Password reconfirmed at the changing of password.		
k	E mail address validated properly.		
l	Mandatory fields are marked by red star.		
M	Facility of sorting records with a click of mouse on the column heading is given when data is shown in tabular form.		
n	Captcha is used to prevent computerized automatic entry of data if required.		
o	For Web based applications , functionalities like Site map, Accessibility, About Us, Contact Us, Disclaimer , FAQ , Privacy Policy , Feedback are provided based on the requirement.		
7	Reports / On screen Queries		
a	Reports are parameterized with flexibility to select from – to dates, all or some limited departments, locations, products, criteria like <, <=, =, >= etc.i.e. parameterise reports.		
b	Report titles are informative with additional details like “status as on dd/mm/yyyy” or “Sales between dd/mm/yyyy and dd/mm/yyyy”.		
c	MIS reports are included i.e. summary of transactions e.g. Month wise, Salesman wise, product wise, territory wise sales or department wise salary, location wise, department wise expenses, etc.		
d	Some of the MIS reports are shown in graphical form like pie chart, bar chart, stacked bar etc.		
8	Power Point Presentation		
a	Standard format is to be followed.		
b	Readability is checked with respect to back ground colour combination and font size / colour.		
c	Call outs are used at proper places to highlight special / unique features.		