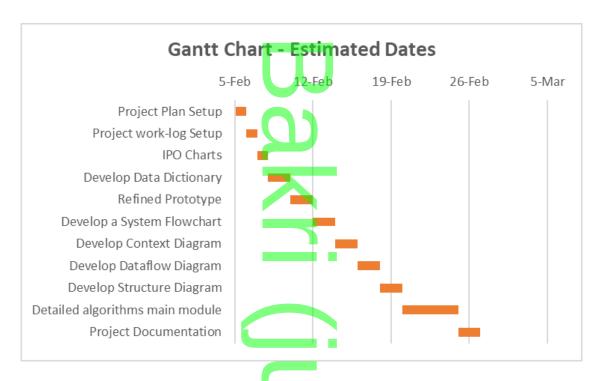
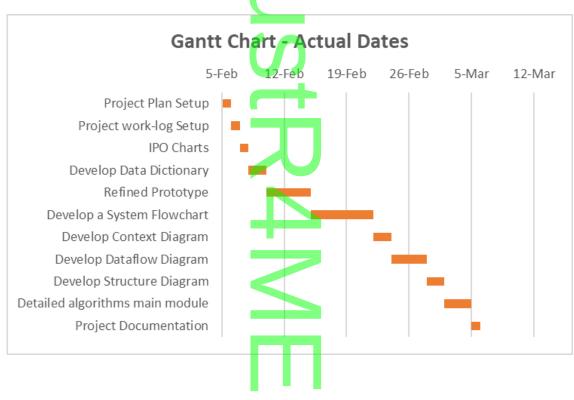
# ABC Corporation Management Payroll System – Planning and Designing

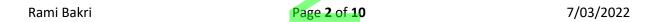
# **Gnatt Chart**







Input	Process	Output
Username	Assess if username and	If username and password
Password	password match.	match, access to application
		is granted.
		If username and password
		does not match, it will
Employee Details	Create Employee Beard	display an error.
Employee Details	Create Employee Record	"Employee record created"
		Employee ID
		Limpleyee ib
	Modify Employee Record	"Employee record updated"
Employee ID		
Employee Details	Delete Employee Record	"Employee Record Deleted"
Employee ID		
	Search Record	Employee Record Details
		Weekly Salary Details
Weekly Salary Details	Calculate	Weekly Payroll Report
	Tatal Maakk Calam	
	Total Weekly Salary	
	Gross Pay	
	Total Taxes Withheld	
	-	
	Generate Report	
	Constate Report	



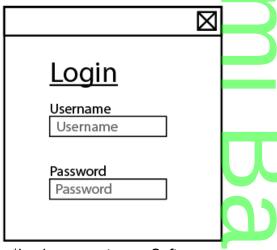


# **Data Dictionary**

Field Name	Data Type	Field Size	Description	Example
Employee ID	Integer	6	Number Identification for Employee	123456
Surname	Text	20	Surname of Employee	Doe
First Name	Text	20	First Name of Employee	John
Address	Text	50	Address of Employee	123 Main Street Sydney NSW 2000
Phone No.	Text	10	Contact Number of Employee	0412345678
D.O.B	Date/Time	8	Employee Date of Birth	17/08/1965
Gender	Text	100	Employee Gender	Male/Female/Other
BSB No.	Integer	6	Bank State Branch	123-456
Acc No.	Integer	8	Account Number	123-456
Hourly Rate	Double	8	Employee Hourly Pay	\$30.45
Username	Text	25	User Username	Admin
Password	Text	16	User Password	Admin



# **Prototype**



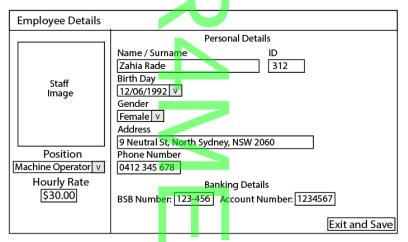


\*Login screen to use Software.

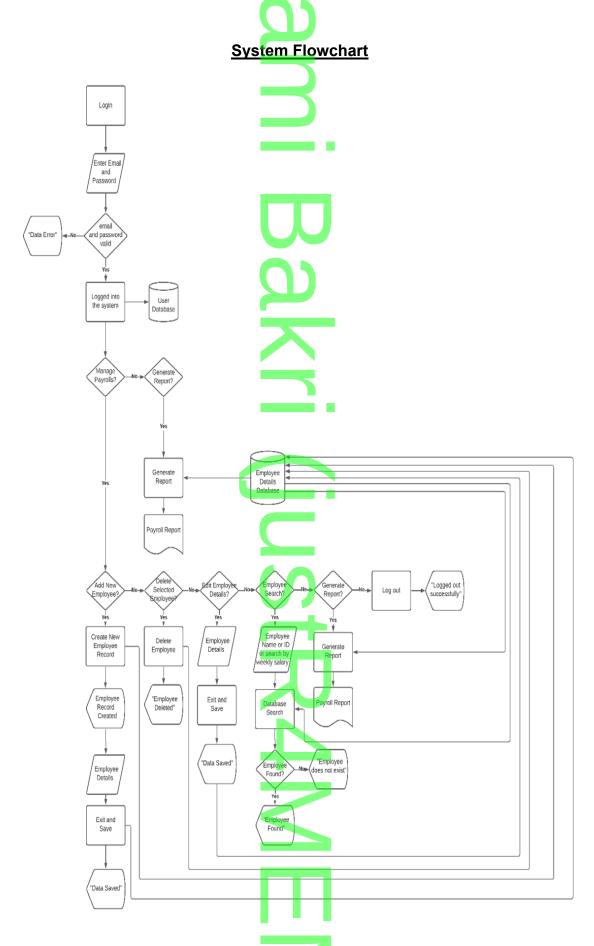
\*Main Menu of Employee Management Software.



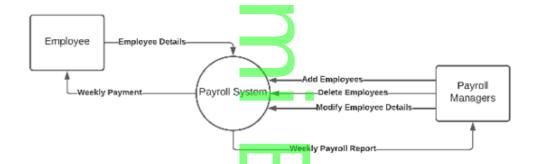
\*Employee Management Dashboard of Software



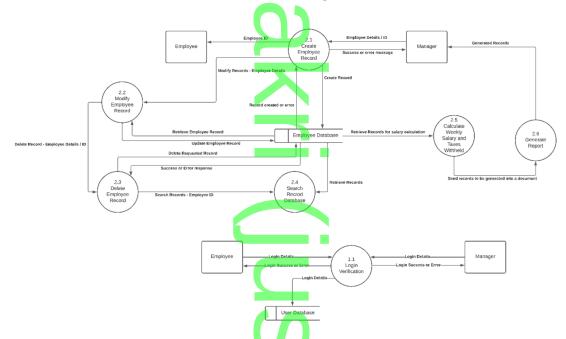
\*Employee Details Editor and Payroll Editor



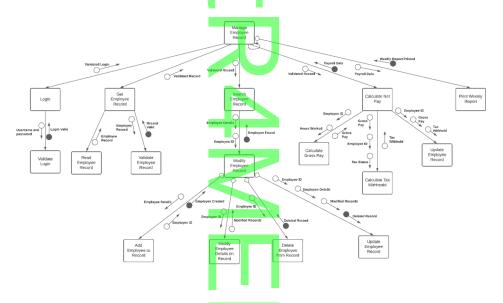
### **Context Diagram**



# **Dataflow Diagram**



# **Structure Chart**





# **Algorithms**

#### **BEGIN Login**

**GET Username** 

**GET Password** 

IF UserID == Username && UserPass == Password THEN

Display "Login Successful"

**ELSE** 

Display "Login Failed"

**ENDIF** 

#### **END**

#### **BEGIN AddEmployee**

**OPENFILE** 

**READFILE** 

SET i = 0

**GET EmployeeDetails** 

**GET LastID** 

IF LastID Not Found THEN

i = LastID + 1

Insert i = ID, EmployeeDetails = (Name, Surname, Address, PhoneNo, DOB, Gender, BSBNo, ACCNo)

**ELSE** 

Display Error

**ENDIF** 

**CLOSEFILE** 

**END** 

# **BEGIN ModifyEmployeeDetails**

**OPENFILE** 

**READFILE** 

**GET Found** 

Get EmployeeDetails

If Found == EmployeeDetails THEN

Stop Record Update

Display Details are the same in the record

**ELSE** 

Update EmployeeRecord

**ENDIF** 

**CLOSEFILE** 

#### **END**

#### **BEGIN DeleteEmployee**

**OPENFILE** 

**READFILE** 

**GET FOUND** 

Delete ID Record

**RETURN Confirmation** 

CLOSEFILE

#### **END**

#### **BEGIN EmployeeSearch**

**OPENFILE** 

**READFILE** 

Found = False

**GET SearchID** 

WHILE items in array AND Not Found THEN

Found = (SearchID = ID)

**ENDWHILE** 

**RETURN Found** 

Load Found into Array

**CLOSEFILE** 

**END** 

**BEGIN WeeklyReport** 

**OPENFILE** 

**READFILE** 

Find EOF

RecordToPrint = MaxID Found 1

Print RecordToPrint

**END** 

# **Work Log**

Date	What I did	What problems I	Solutions
		faced	
5/02/2022	Created Gantt Chart		-
6/02/2022	Created Work Log	-	-
7/02/2022 —	Created IPO Charts	Finding the proper	Refined IPO
8/02/2022		Input, Process and	Multiple times
		Output.	·
8/02/2022	Created Data	Figuring out what to	Identified Fields
	Dictionary	put in.	to include.
10/02/2022 -	Created Prototype	Issues in past	Refined
15/02/2022		prototype.	Prototype
18/02/2022	Created / Modified	Didn't include	Updated
	System Flowchart	database in	Flowchart to
		flowchart.	include database
24/02/2022	Created Context	Need to improve it.	Identified
	Diagram	· ·	improvements
			that can be
			made.
25/02/2022 –	Improved Context	_	-
28/02/2022	Diagram Slightly by		
	changing the pointing		
	information		
2/03/2022	Created Structure	Couldn't identify what	Looked online
	Diagram	to place in what	and looked at
		order	given resources
			to find out what to
			put.
3/03/2022 -	Created Algorithms	Struggled to write	Researched on
6/03/2022	(Pseudocode)	Pseudocode	writing
			Pseudocode and
			improve already
			written
	• -		Pseudocode.



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