Task No.	Task Name	Duration	Resources
3.1	Work breakdown structure **(Ron)**		
1.	**Hotel Management System**		
	1.1. Project Management		
	1.1.1. TOR	Week 1 - 3	*T
	1.1.2. PP	Week 1 - 3	*T
	1.1.3. Managing/Monitoring	Week 1 - 8	*T
	1.1.4. Conception/Approval	Week 1 - 3	TL, M.W
	1.2. Basic Requirement Identification		
	1.2.1. Requirement Set I (Functional)		
	1.2.1.1. Guest Management		
	1.2.1.1.1. Guest Records	Week 4	TL, M.W
	1.2.1.1.2. Guest Types	Week 4	TL, M.W
	1.2.1.1.3. Stay Records	Week 4	TL, M.W
	1.2.1.2. Housekeeping Management		
	1.2.1.2.1. Staff Records	Week 4	TL, M.W
	1.2.1.2.2. Staff Types	Week 4	TL, MW
	1.2.1.2.3. R&R Distribution	Week 4	TL, M.W
	1.2.1.3. Reservation		
	1.2.1.3.1. Room Count	Week 4	TL, M.W
	1.2.1.3.2. Room Types	Week 4	TL, M.W
	1.2.1.3.3. Stay Packages	Week 4	TL, M.W
	1.2.1.4. Payment		
	1.2.1.4.1. Payment Method	Week 4	TL, M.W
	1.2.1.5. Inventory Management		
	1.2.1.5.1. Inventory Count	Week 4	TL, M.W
	1.2.1.5.2. Inventory Types	Week 4	TL, M.W
	1.2.1.6. Report Management		
	1.2.1.6.1. Report Schedule	Week 4	TL, M.W
	1.2.1.6.2. Report Details	Week 4	TL, M.W
	1.2.1.7. Review		
	1.2.1.7.1. Review Word Count	Week 4	TL, M.W
	1.2.1.7.2. Rating	Week 4	TL, M.W
	1.2.1.8. UI		
	1.2.1.8.1. Page Count	Week 4	TL, M.W
	1.2.1.8.2. Page Type	Week 4	TL, M.W
	1.2.1.8.3. Page UI	Week 4	TL, M.W
	1.2.2. Requirement Set II (Non-Functional)		
	1.2.2.1. Performance	Week 4	TL, M.W
	1.2.2.2. Security	Week 4	TL. M.W

Task No.	Task Name		Duration	Resources
1.3. Prototyping				
1.3.1.	Initial Prototype Development			
1.3.1.1.	UI			
1.3.1.1.1.	Create Pages			
1.3.1.1.1.1.		Colour and Contrast	Week 4	*T
1.3.1.1.1.2.		Typography	Week 4	*T
1.3.1.1.1.3.		Layout	Week 4	*T
1.3.1.1.1.4.		Interface	Week 4	*T
1.3.1.2.	Compilation/Integration		Week 4	*T
1.3.1.3.	Testing			
1.3.1.3.1.		Version Documentation	Week 4	*T
1.3.1.3.2.		Defect Documentation	Week 4	*T
1.3.1.4.	Defects			
1.3.1.4.1.		Resolve Defect	Week 4	*T
1.3.1.4.2.		Resolve Document	Week 4	*T
1.3.2.	Prototype Development			
1.3.2.1.	Guest Management			
1.3.2.1.1.		Database + API	Week 5 - 6	XY
1.3.2.1.2.		Functionality	Week 5 - 6	XY
1.3.2.1.3.		D.API call methods	Week 5 - 6	XY
1.3.2.2.	Housekeeping Management			
1.3.2.2.1.		Database + API	Week 5 - 6	XY
1.3.2.2.2.		Functionality	Week 5 - 6	XY
1.3.2.2.3.		D.API call methods	Week 5 - 6	XY
1.3.2.3.	Reservation			
1.3.2.3.1.		Database + API	Week 5 - 6	Ron
1.3.2.3.2.		Functionality	Week 5 - 6	Ron
1.3.2.3.3.		D.API call methods	Week 5 - 6	Ron
1.3.2.4.	Payment			
1.3.2.4.1.		Database + API	Week 5 - 6	Ron
1.3.2.4.2.		Functionality	Week 5 - 6	Ron
1.3.2.4.3.		D.API call methods	Week 5 - 6	Ron
1.3.2.5.	Inventory Management			
1.3.2.5.1.		Database + API	Week 5 - 6	Nic
1.3.2.5.2.		Functionality	Week 5 - 6	Nic
1.3.2.5.3.		D.API call methods	Week 5 - 6	Nic
1.3.2.6.	Report Management			
1.3.2.6.1.		Database + API	Week 5 - 6	Jos
1.3.2.6.2.		Functionality	Week 5 - 6	Jos
1.3.2.6.3.		D.API call methods	Week 5 - 6	Jos
1.3.2.7.	Review			
1.3.2.7.1.		Database + API	Week 5 - 6	Nic
1.3.2.7.2.		Functionality	Week 5 - 6	Nic
1.3.2.7.3.		D.API call methods	Week 5 - 6	Nic
1.3.2.8.	Compilation/Integration		Week 5 - 6	*T

Task No.	Task Name		Duration	Resources
1.3.2.9.	Testing			
1.3.2.9.1.		Benchmark	Week 5 - 6	*T
1.3.2.9.2.		Database Connection	Week 5 - 6	*T
1.3.2.9.3.		CRUD	Week 5 - 6	*T
1.3.2.9.4.		Version Documentation	Week 5 - 6	*T
1.3.2.9.5.		Defect Documentation	Week 5 - 6	*T
1.3.2.10.	Defects			
1.3.2.10.1.		Resolve Defect	Week 5 - 6	*T
1.3.2.10.2.		Resolve Document	Week 5 - 6	*T
1.3.3.	Prototype Review			
1.3.3.1.	Validation		Week 4 - 6	TL, M.W
1.3.3.2.	Feedback		Week 4 - 6	TL, M.W
1.3.3.3.	Change		Week 4 -6	TL, M.W
1.3.4.	Prototype Revision and Enhancement			
1.3.4.1.	Revision		Week 4 - 6	*T
1.3.4.2.	Enhancement		Week 4 - 6	*T

Task No.	Task Name		Duration	Resources
1.4.	**Deployment-Ready Development**			
1.4.1.	Prototype Development			
1.4.1.1.	Guest Management			
1.4.1.1.1.		Database + API	Week 7 - 8	XY
1.4.1.1.2.		Functionality	Week 7 - 8	XY
1.4.1.1.3.		D.API call methods	Week 7 - 8	XY
1.4.1.2.	Housekeeping Management			
1.4.1.2.1.		Database + API	Week 7 - 8	XY
1.4.1.2.2.		Functionality	Week 7 - 8	XY
1.4.1.2.3.		D.API call methods	Week 7 - 8	XY
1.4.1.3.	Reservation			
1.4.1.3.1.		Database + API	Week 7 - 8	Ron
1.4.1.3.2.		Functionality	Week 7 - 8	Ron
1.4.1.3.3.		D.API call methods	Week 7 - 8	Ron
1.4.1.4.	Payment			
1.4.1.4.1.		Database + API	Week 7 - 8	Ron
1.4.1.4.2.		Functionality	Week 7 - 8	Ron
1.4.1.4.3.		D.API call methods	Week 7 - 8	Ron
1.4.1.5.	Inventory Management			
1.4.1.5.1.		Database + API	Week 7 - 8	Nic
1.4.1.5.2.		Functionality	Week 7 - 8	Nic
1.4.1.5.3.		D.API call methods	Week 7 - 8	Nic
1.4.1.6.	Report Management			
1.4.1.6.1.		Database + API	Week 7 - 8	Jos
1.4.1.6.2.		Functionality	Week 7 - 8	Jos
1.4.1.6.3.		D.API call methods	Week 7 - 8	Jos
1.4.1.7.	Review			
1.4.1.7.1.		Database + API	Week 7 - 8	Nic
1.4.1.7.2.		Functionality	Week 7 - 8	Nic
1.4.1.7.3.		D.API call methods	Week 7 - 8	Nic
1.4.1.8.	Security			
1.4.1.8.1.		Access Rights	Week 7 - 8	*T
1.4.1.8.2.		Database Encryption	Week 7 - 8	*T
1.4.1.8.3.		Form Censorship	Week 7 - 8	*T
1.4.1.9.	Compilation/Integration		Week 7 - 8	*T
1.4.1.10.	Testing			
1.4.1.10.1.		Security	Week 7 - 8	*T
1.4.1.10.2.		Benchmark	Week 7 - 8	*T
1.4.1.10.3.		Database Connection	Week 7 - 8	*T
1.4.1.10.4.		CRUD	Week 7 - 8	*T
1.4.1.10.5.		Version Documentation	Week 7 - 8	*T
1.4.1.10.6.		Defect Documentation	Week 7 - 8	*T
1.4.1.11.	Defects			
1.4.1.11.1.		Resolve Defect	Week 7 - 8	*T
1.4.1.11.2.		Resolve Document	Week 7 - 8	*T
1.4.1.12.	Buffer			
1.4.1.12.1.		Critical Changes	Week 7	*T

Task No.	Task Name	Duration	Resources
1.5. **Final Testing**			
1.5.1. UI			
1.5.1.1.	Consistency since Approval	Week 8	*T, M.C
1.5.2. Functionality			
1.5.2.1.	Benchmark	Week 8	*T, M.C
1.5.2.2.	CRUD	Week 8	*T, M.C
1.5.2.3.	Database Connection	Week 8	*T, M.C
1.5.3. Security			
1.5.3.1.	Access Rights	Week 8	*T, M.C
1.5.3.2.	Database Encryption	Week 8	*T, M.C
1.5.3.3.	Form Censorship	Week 8	*T, M.C
1.5.4. Documentation			
1.5.4.1.	Version Documentation	Week 8	*T
1.5.4.2.	Defect Documentation	Week 8	*T
1.5.5. Defects			
1.5.5.1.	Resolve Defect	Week 8	*T
1.5.5.2.	Resolve Document	Week 8	*T
1.6. **Deployment**		Week 8	*T
1.6.1. Public Deployment		Week 8	*T
1.6.2. Installation		Week 8	*T
1.6.3. Maintenance		> Week 8	*T

Acronyms

WBS	Work Breakdown Structure
TOR	Terms of Reference
PP	Project Plan
*T	All Team Members
M.W	Mr and Mrs Wang
TL	Team Leader
R&R	Roles and Responsibilities
UI	User Interface
D.API	Database API
API	Application Program Interface
XY	Xin Yi
Nic	Nicholas
Jos	Joseph
CRUD	Creating, Reading, Updating, Deleting (Database)