

iPad Restaurant Application

Lab 4

Danial Asghar 100671850

Pawan Patel 100582283

Curtis Whall 100655399

Risks of Activities

Activities which have potential for risk and the contingency plans taken are listed as follows:

- Acquire HR resources: the highest priority risk for this activity is to ensure that the correct candidates are chosen for the job. To mitigate this a subtask for training is created in order to ensure that new employees are given all the training needed to be successful members of the team.
- The implementation tasks: Menu system, Purchase Order system and Integration have high priority risks as the schedule for the project is very tight. As such, we have decided to hire 2 testers who will be conducting extensive software testing after each of these systems is built.
- Installation has a medium priority risk if the customer finds issues during runtime or their requirements change. As such, the task 'Acceptance testing' is created where the testers will provide support to the customer in order to ensure that all facets of the system are error free.

Project Resources

The following are the resources required for successful completion of the project on time:

- Management (M)
 - Danial Asghar: HR Manager
 - Curtis Whall: Finance Manager
 - Pawan Patel: IT Manager
- System Analyst (SA)
 - Danial Asghar
- System Designer (SD)
 - Curtis Whall
 - Jake Peters
 - Mike Gates
- System Coder (SC)
 - Pawan Patel
 - Cierra Vega
 - Pierre Cox
 - Miranda Shaffer
- System Tester (ST)
 - Thomas Crane
 - Sammy Sherman

Allocation Chart

The following chart lists the revised activities, broken into subtasks, and the resource allocation to complete the task. The project has a deadline of 3 months starting Feb 2020; taking into account statutory holidays, there are 60 business days to be allocated.

#	Activity Description	Depends On	Duration (days)	Resource Type
A	Acquire equipment & licenses			
A1	Purchase development hardware		2	M
A2	Purchase development software licenses		2	M
B	Acquiring HR resources			M
B1	Personnel hiring		5	M
B2	Personnel training	B1	10	M
C	Determine customer requirements	B2	3	SA
D	Data APIs	C	5	SD
E	Design app UI	C	5	SD
F	Menu system			
F1	Implement menu and coupon system	D & E	10	SC
F2	Conduct unit testing	F1	5	ST
G	Purchase order system			SC
G1	Implement purchase order system	D & E	10	SC
G2	Conduct unit testing	G1	5	ST
H	System integration			
H1	Integrate menu and purchase systems	F & G	3	SC

H2	Integration with customer's existing system	H1	5	SC
H3	Integration testing	H2	4	ST
I	Install	H	1	SC
J	Acceptance testing	I	2	ST
H	Create user documentation	J	5	M & SC