

Meet the Team



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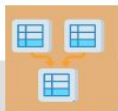


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WBS (Work
Breakdown
Structure)



Gantt chart



CPM (Critical Path
Method)



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management plan



Assessment plan



Training to users



Data Migration



Demonstration of the
prototype

WBS (Work Breakdown Structure) - Overview

- Rapid Application Development (RAD)
 - Advantages and disadvantages
 - Phases

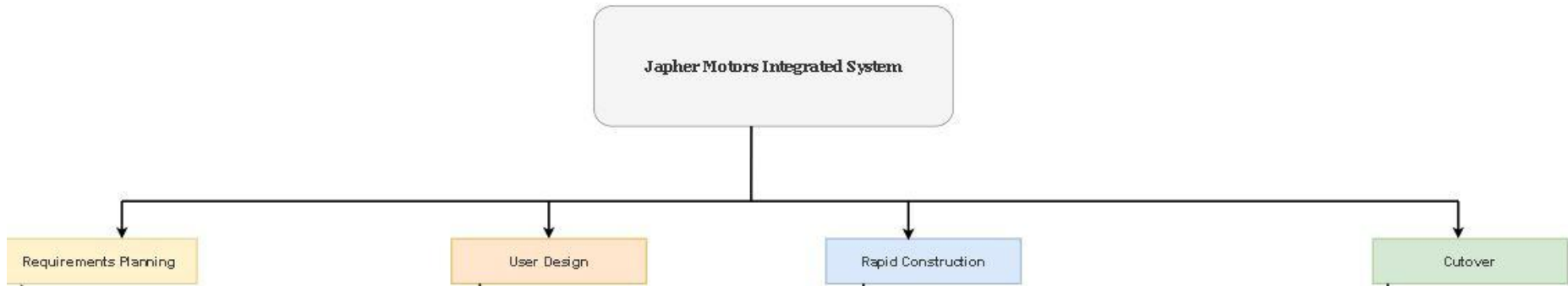


Fig. 1: Rapid Application Development Methodology [1]

WBS (Work Breakdown Structure) - Requirements Planning

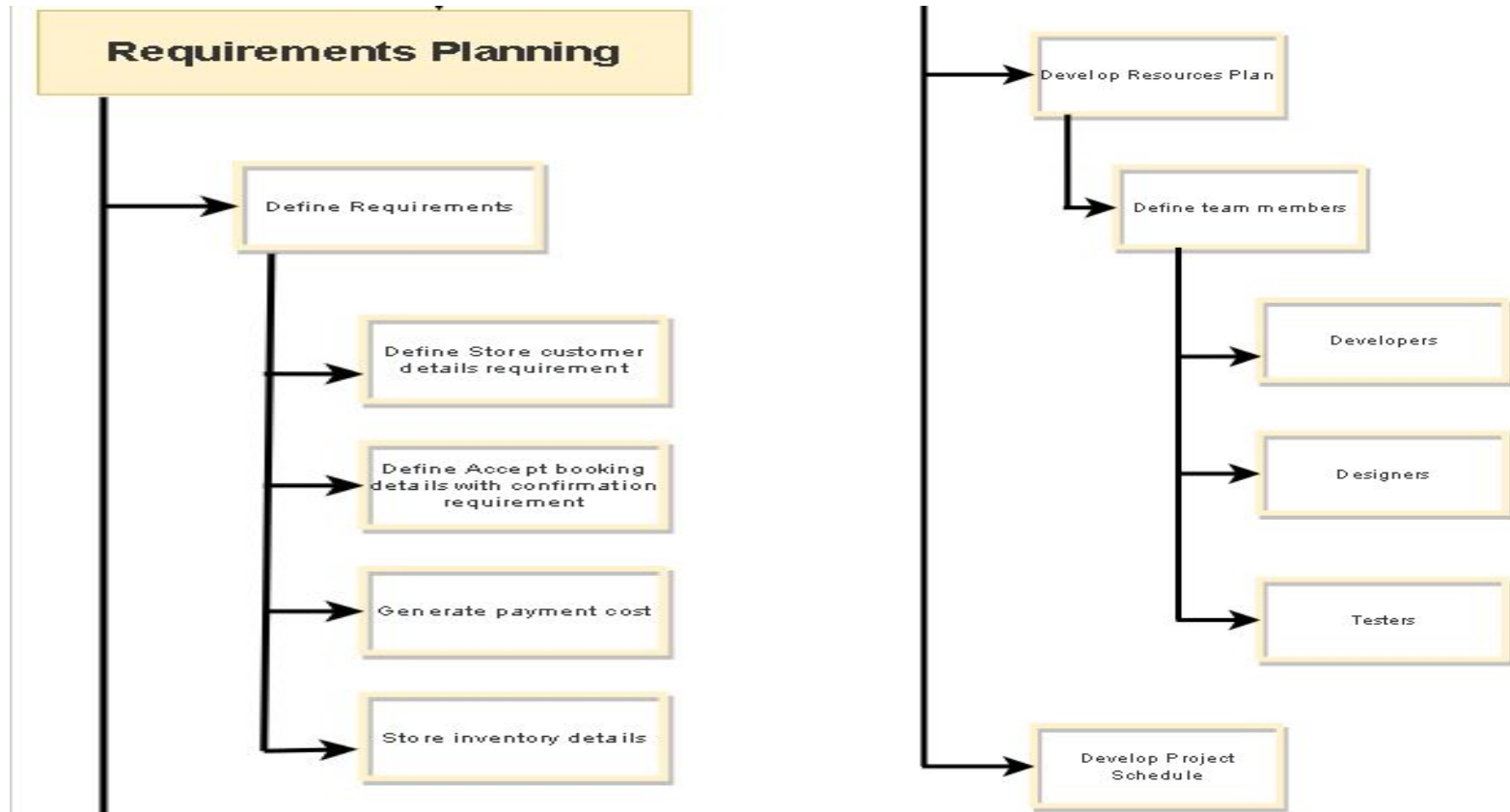


Fig. 2: Work Breakdown Structure - Requirements Planning Phase [2]

WBS (Work Breakdown Structure) - User Design

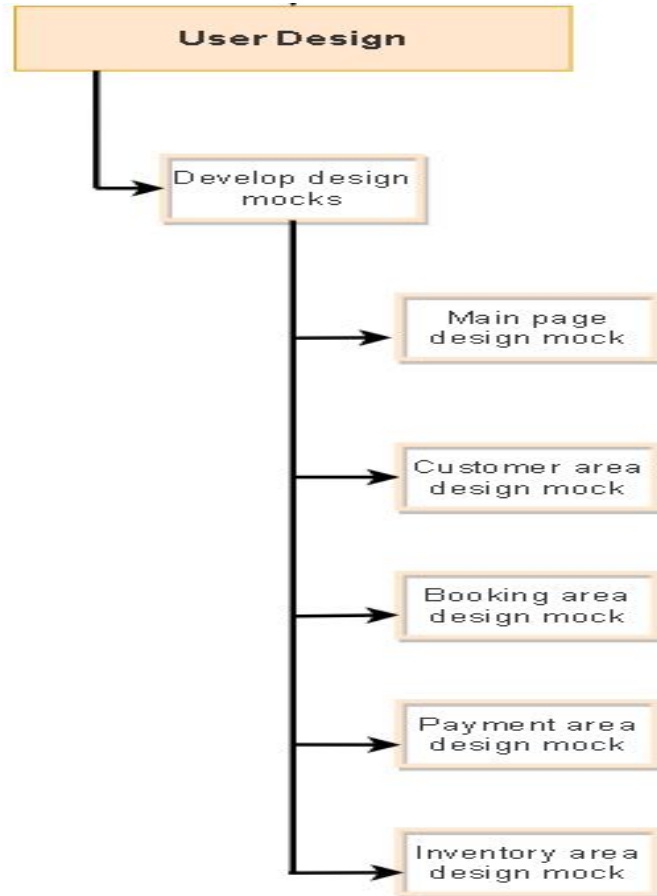


Fig. 3: Work Breakdown Structure - User Design Phase [2]

WBS (Work Breakdown Structure) - Rapid Construction (1)

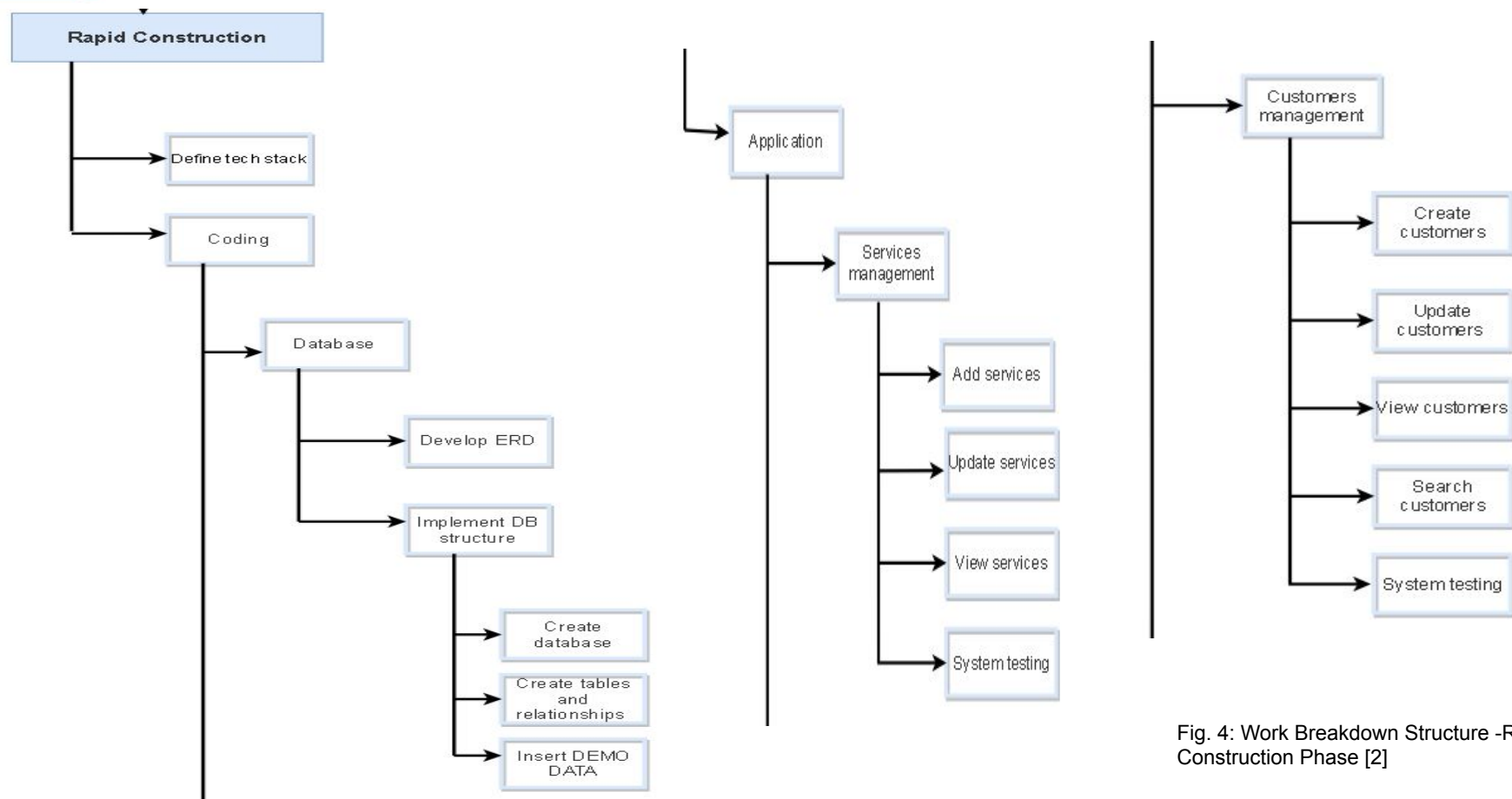
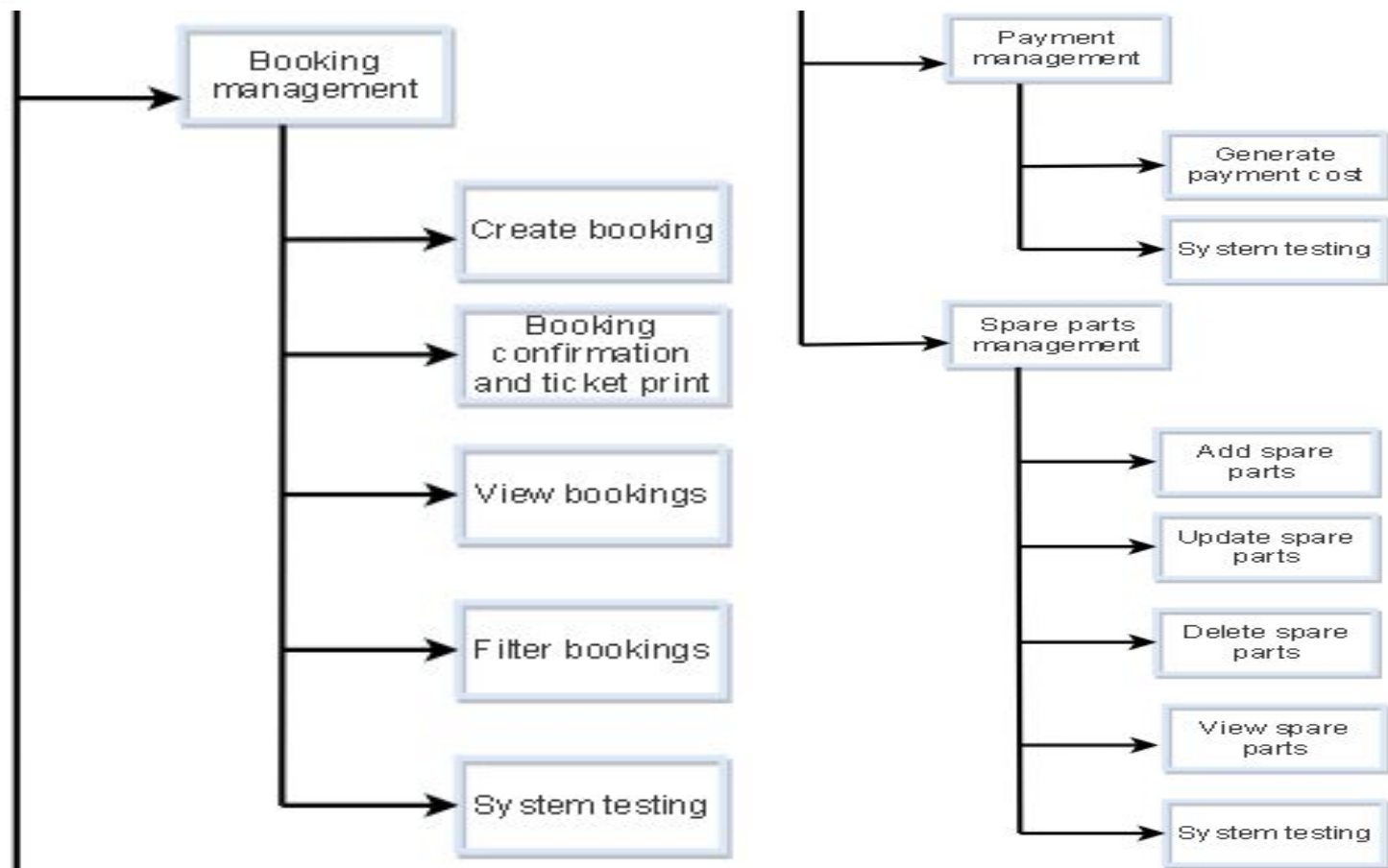


Fig. 4: Work Breakdown Structure -Rapid Construction Phase [2]

WBS (Work Breakdown Structure) - Rapid Construction (2)



WBS (Work Breakdown Structure) - Cutover

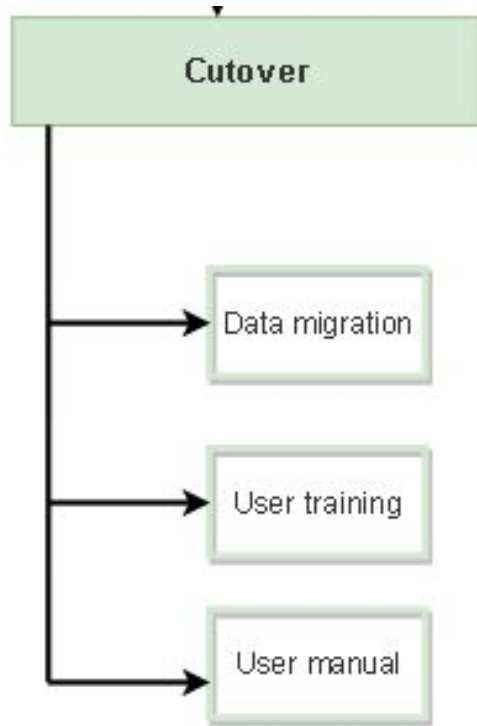


Fig. 5: Work Breakdown Structure - Cutover Phase [2]

Gantt chart - Time calculation

Estimate time formula:

$$Te = (To + 4Tm + Tp) / 6$$

	To(h)	Tm(h)	Tp(h)	Te(h)
Define requirements	6	6	12	7.00
Define resources	3	3	8	3.83
Define project schedule	6	6	16	7.67
Develop design mocks	25	2	40	12.17
Define tech stack	4	6	8	6.00
Develop ERD	4	5	7	5.17
Implement DB structure	30	32	40	33.00
Services management	45	46	60	48.17
Customers management	50	51	68	53.67
Booking management	42	45	60	47.00
Payment management	35	40	50	40.83
Spare parts management	48	50	60	51.33
Cutover	30	35	48	36.33
Total				352.17

Sandra A:

Te = expected time

To = optimistic time = is the best-case scenario estimate. It assumes that everything will go right over the course of the project or the task and that the development team will work efficiently.

Tm = most probable time = is the most likely estimate of the time it would take for the task to finish

Tp = pessimistic time = is the worst-case scenario estimate. It assumes everything or almost everything that could go wrong over the course of the project or task will.

Fig. 6:Gantt chart - Time Calculation [3]

Gantt chart - (Phase 1 & 2)

RAD phases

- Phase 1: Define requirements
- Phase 2: User design
- Phase 3: Rapid construction
- Phase 4: Cutover

Time unit measure

	1 day
	1/2 day
	1/4 day

	Task Name	Week 1 (5.10 - 9.10)	Week 2 (12.10 -16.10)	Week 3 (19.10 - 23.10)	Week 4 (26.10 - 30.10)	Week 5 (2.11 - 6.11)	Week 6 (9.11 - 13.11)	Week 7 (16.11 - 20.11)	Week 8 (23.11 - 27.11)	Week 9 (30.11 - 4.12)
Define requirements	Define store customer details requirement									
	Define accept booking details with confirmation requirement									
	Generate payment cost									
	Store inventory details									
Define resources	Define developers team									
	Define designers team									
	Define testers team									
Define Project Schedule	Plan project time									
	Generate Gantt Chart									
Develop design mocks	Main page design mock									
	Customer area design mock									
	Booking area design mock									
	Payment area design mock									
	Inventory area design mock									

Fig. 7:Gantt chart - Phase 1 & 2 [3]

Gantt chart - (Phase 3)

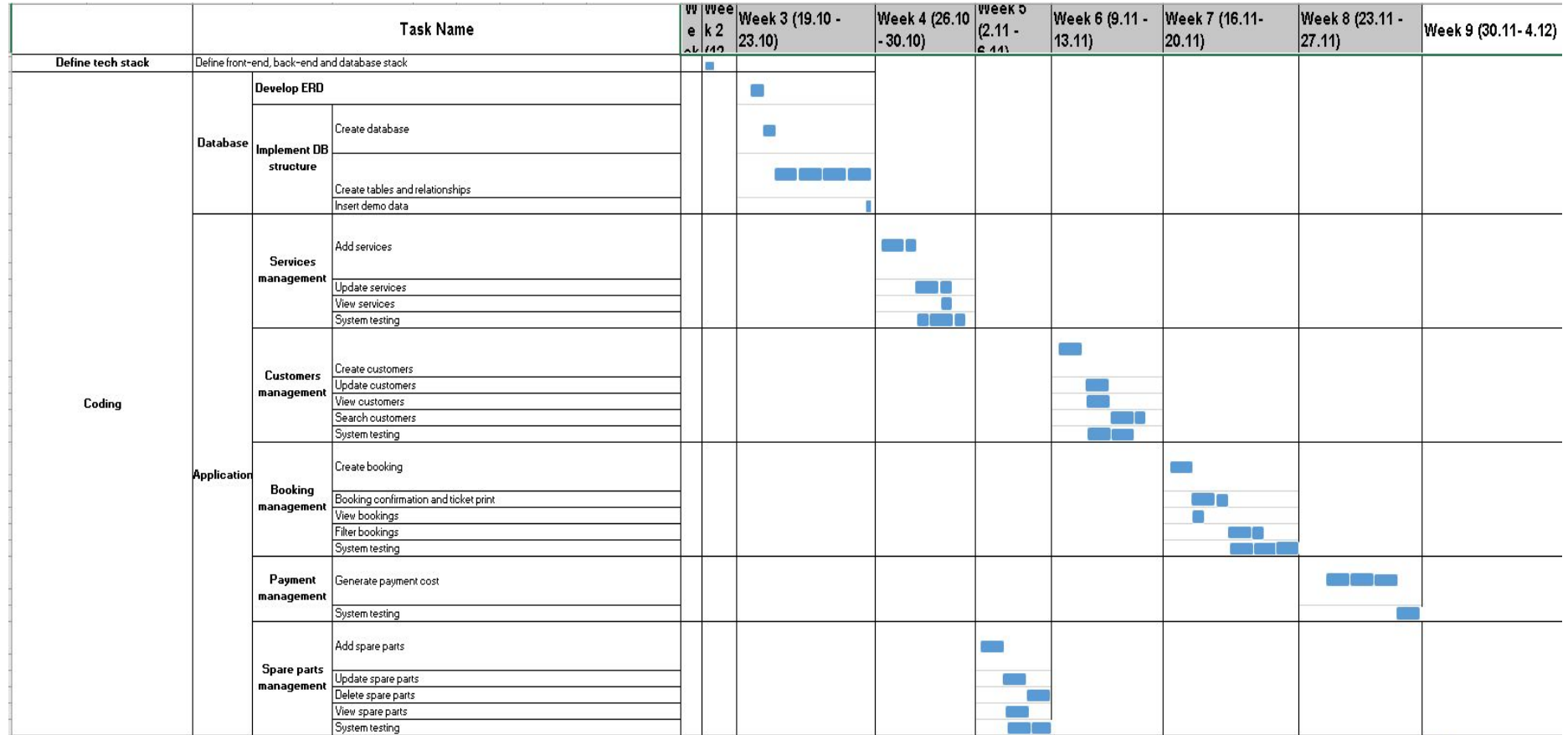


Fig. 8:Gantt chart - Phase 3 [3]

Gantt chart - (Phase 4)

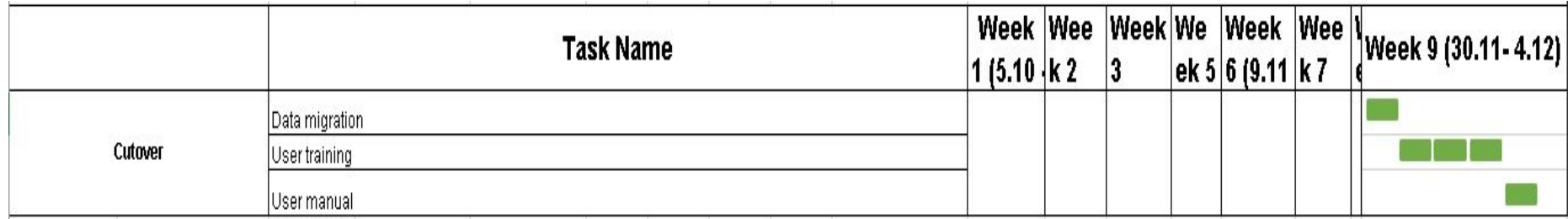


Fig. 9:Gantt chart - Phase 4 [3]

CPM (Critical Path Method)

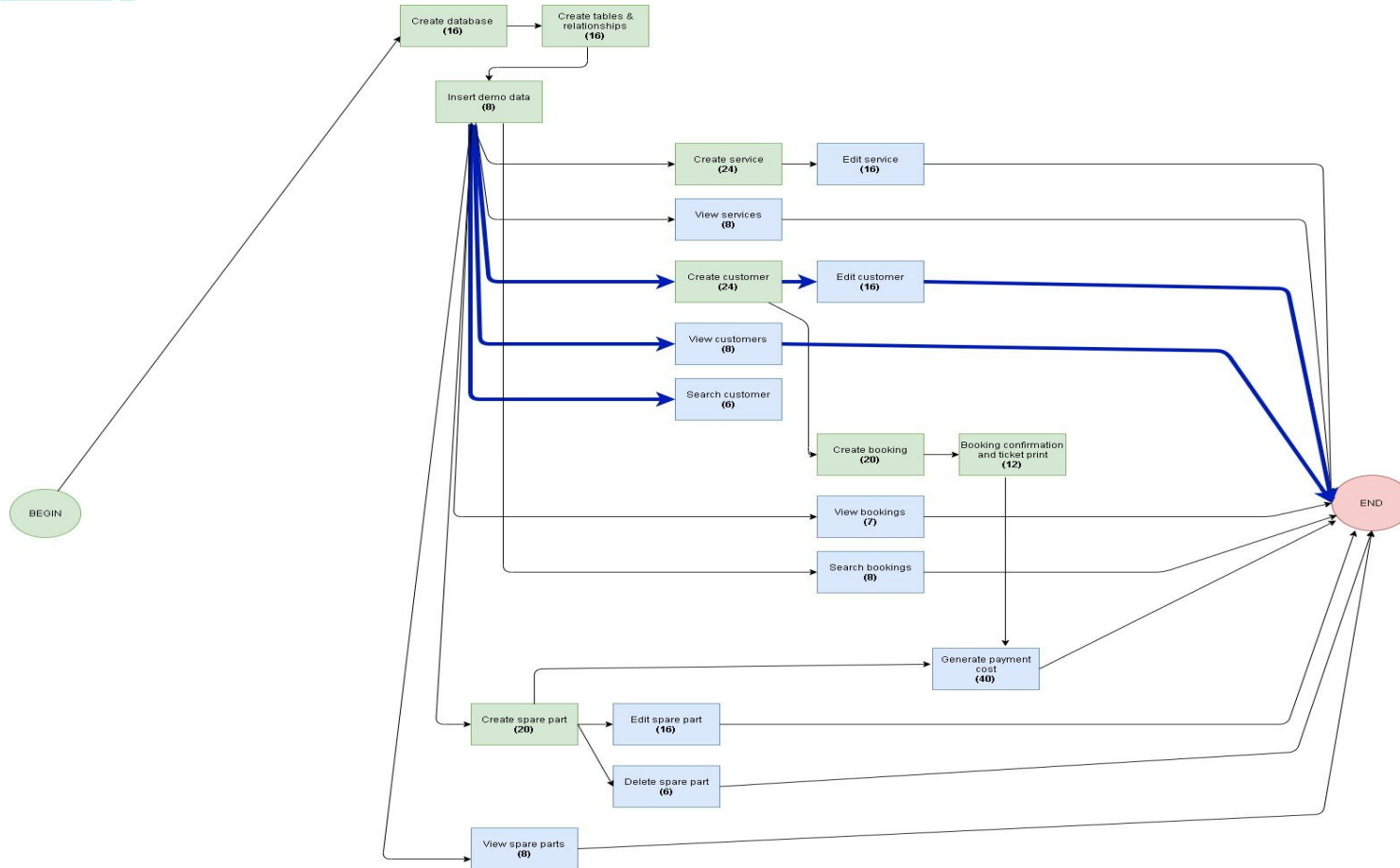


Fig. 10:Critical Path Method [4]

UX Design

Customers' flow

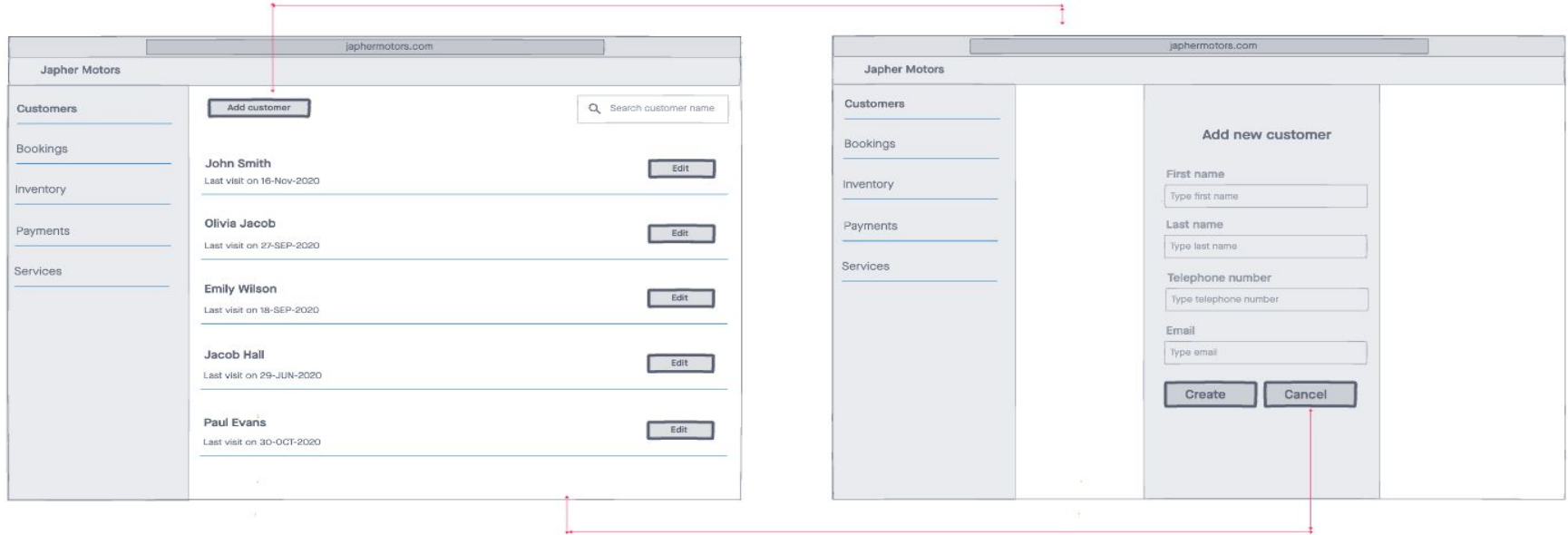


Fig. 11:UX Design - Customers flow [5]

UX Design

Bookings' flow

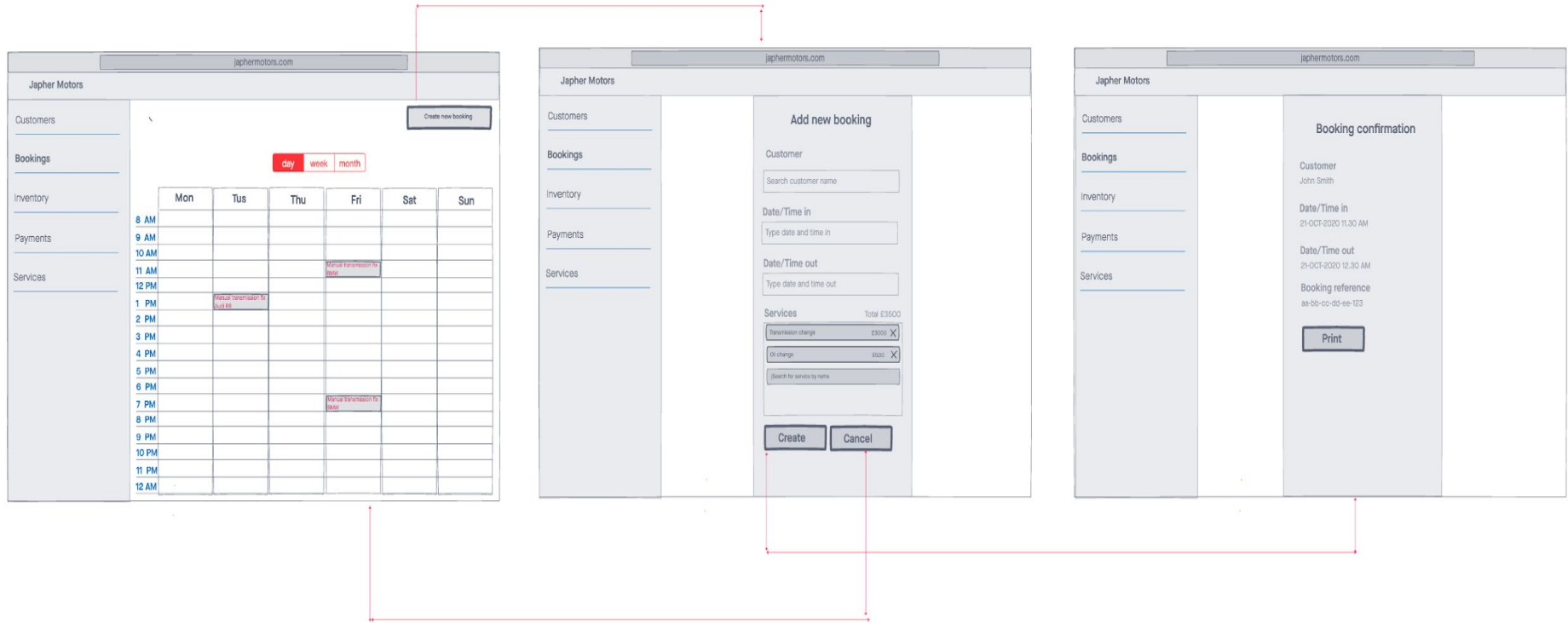


Fig. 12:UX Design - Bookings flow [5]

Inventory's flow

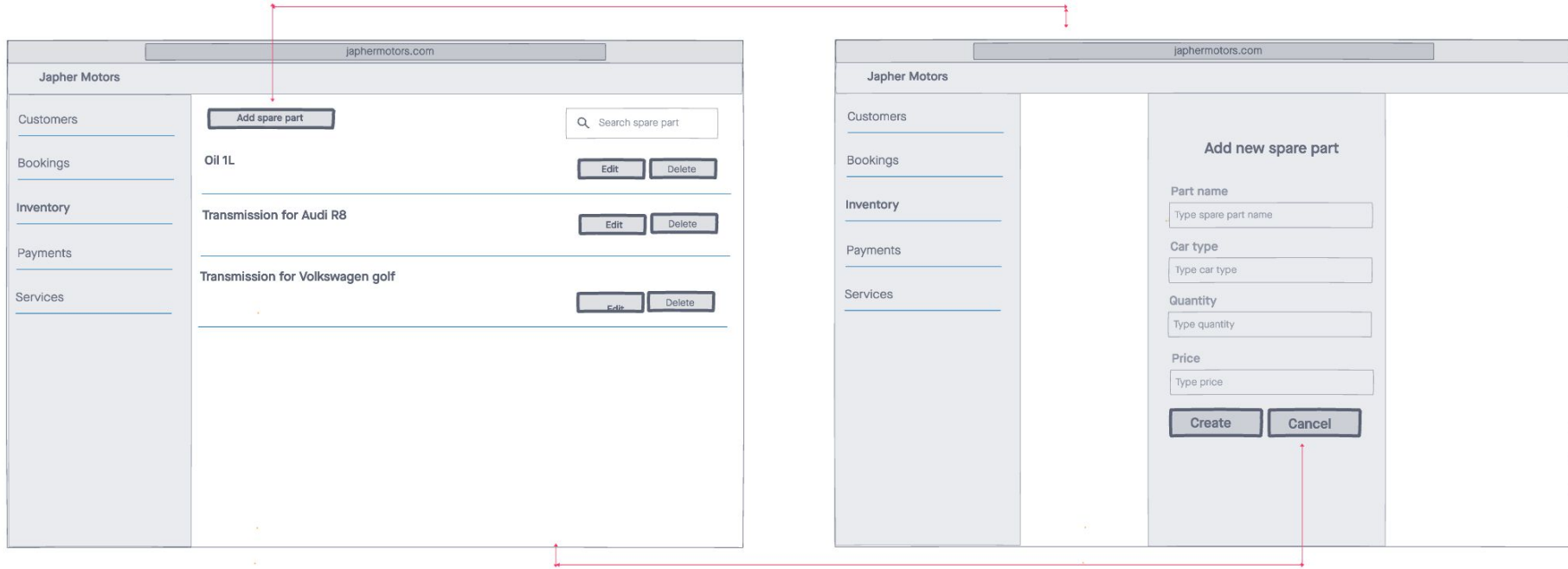


Fig. 13:UX Design - Inventory flow [5]

Payments' flow

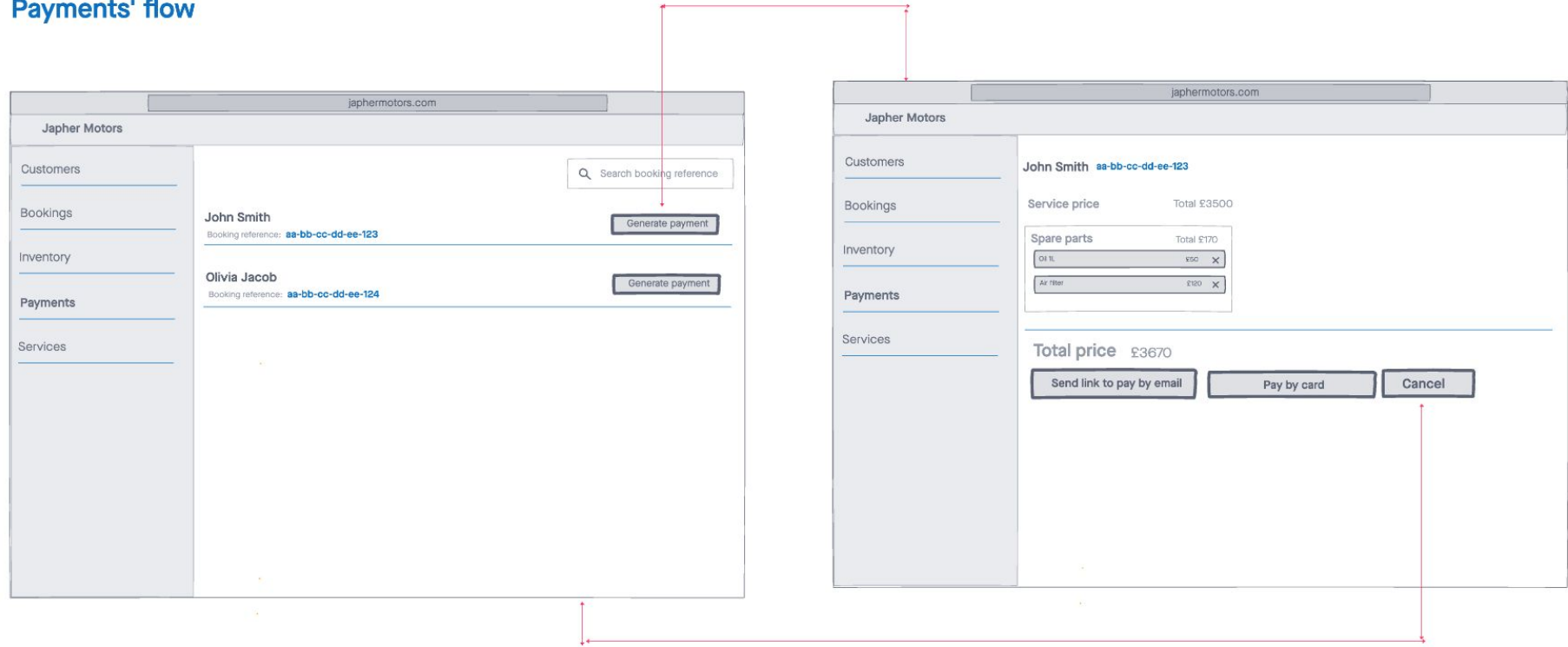


Fig. 14:UX Design - Payments flow [5]

Services' flow

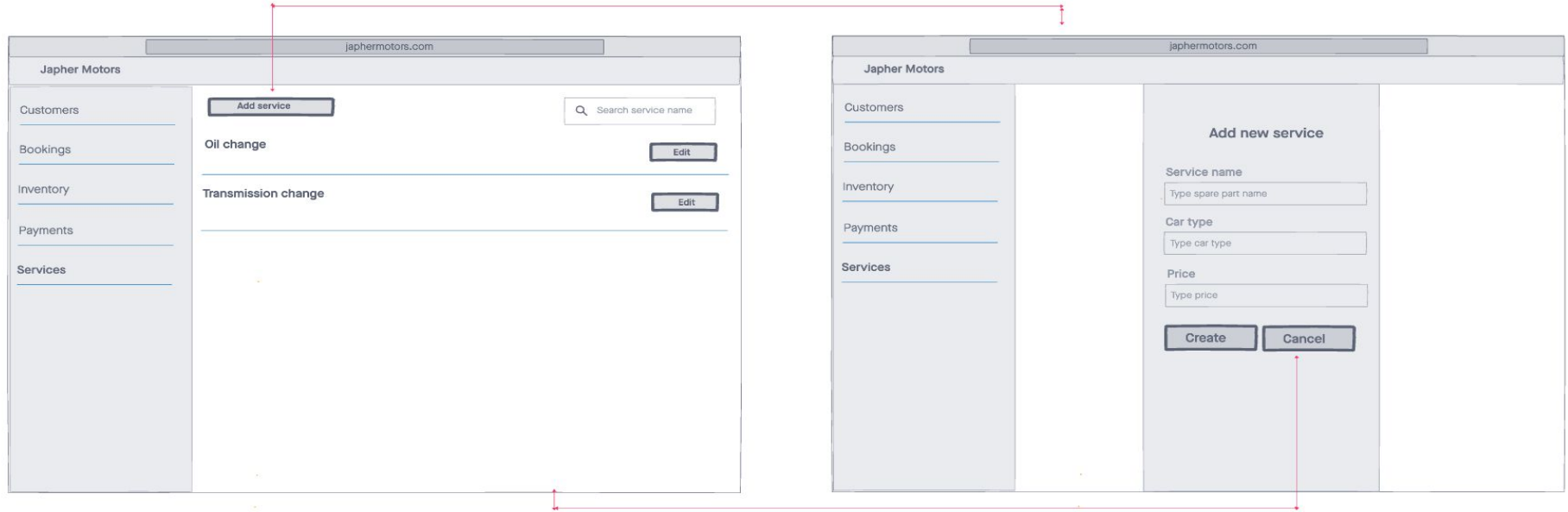
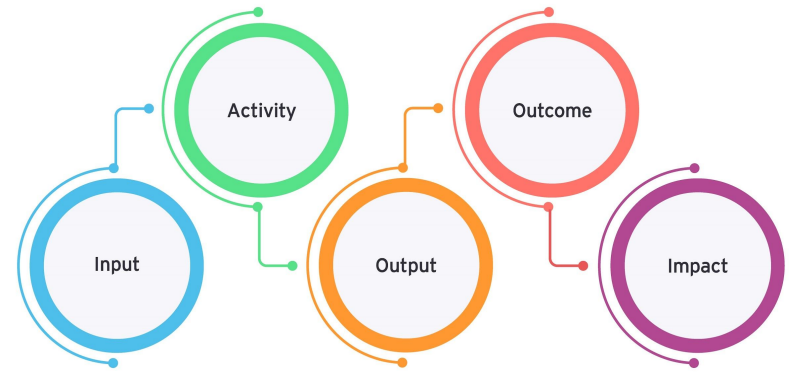


Fig. 15:UX Design - Services flow [5]

Assessment plan

#1 Identify outcome and impact.



#2 evaluation method.



#3 Report on the evaluation.





The system will be launched in week 9.

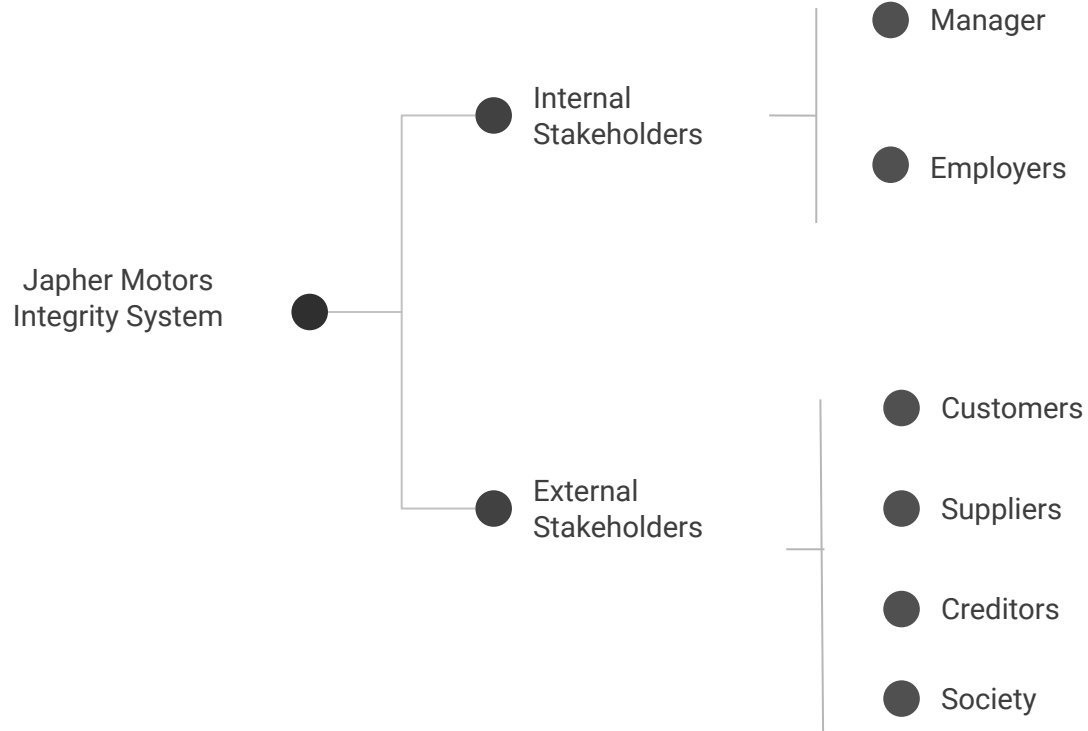
Communication plan

Goal: The goal of this communication plan is to make sure stakeholders are updated throughout the project. Communicating frequently about the status of tasks, team accomplishments, milestones, etc. will help us stay on track and meet project deadlines.

JAPHER MOTORS
Migrate to a new and updated system

Stakeholder	Deliverable	Frequency	Owner	Priority	Preferred way to deliver	Notes and attachments
Tom Jones	Timeline update/milestone review	As milestones have been completed	Steve Blake	Medium priority-report to Tom within 1-2 weeks of completing a milestone	 Email	Include Gantt chart and note reason for missed deadline
Norma White	Weekly status report	Weekly-Monday @ 9 am	Cristina Joy	High priority-must provide weekly report	 Conf. call	Norma can help with special requests if needed
Lacey Christmas	Status update	Weekly	Mark Twain	Low priority-would like to be updated weekly, but this request is flexible	 In-person meeting	Mainly interested in status of each task and timeline
Project team	Timeline review/update	Daily by EOD	Project team	High priority	 Email	All team members are required to send update by EOD
Project team	List of blockers	As needed	Project team	Medium priority	 Team meeting	Must meet with team when major blockers arise

Stakeholders management plan





Training to users

Training the user is one of the important task as it will help the business flow. The training in this case will be splitted in two type:

- Admin training
- Staff training

Data migration

Data migration is the most important move in the whole process as it has to be analysed and implemented properly for a perfect functionality of the system.





References

- [1] F. W. Liou, Rapid Prototyping and Engineering Applications, Taylor & Francis Group, LLC, 2008.
- [2] E. S. Norman, S. A. Brotherton and R. T. Fried, Work Breakdown Structures: The Foundation For Project Management Excellence, John Wiley & Sons, Inc., 2008.
- [3] University of Wales, Trinity Saint David, "Project Management (ACCC5005_LON)" [Online]. Available: <https://moodle.uwtsd.ac.uk/course/view.php?id=3762>.
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- [5] Joseph Angelo Todaro. (2020). Master the power of in InVision Studio. Available: <https://www.invisionapp.com/studio/learn>.
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THANK YOU!