



# **The Knot Wedding Planning Management System (WPMS)**

## **Preliminary Scope**

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DISCLAIMER: This report is not affiliated in any way with The Knot, nor does it intend to provide an accurate view of how The Knot conducts their business activities. This is an instructional exercise at the University of New Brunswick based on unfounded assumptions and “best guesses” made by the author. The author has no inside knowledge of how The Knot’s software or business practices currently work. The objective is to simulate how requirements analysis might have been documented during the development of The Knot’s information systems.

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## 1. Introduction

The Wedding Planning Management System (WPMS) will support The Knot authority and the clients for their respective purpose. Through this system, The Knot authority will be able to manage the overall operation while a client will be able to book and plan his/her wedding. This document presents the result of the WPMS team's efforts to define the preliminary scope for the initial release of WPMS. In this context, the term "Preliminary scope" refers to our current understanding of the work the first release of the "The Knot" software is like to support.

## 2. Work to be Investigated: Informal Description

The Knot provides people who want to plan their wedding through their website the ability to book a wedding planning service. This initial release of the WPMS system gives the client the ability to book and plan his/her wedding by providing a budget, selecting venues, vendors, creating custom invitation cards, announcements, giving ratings and reviews, contacting customer service, etc. The Knot's authority will be able to use this system to list, modify, remove vendors, venues, resolve client issues, etc.

## 3. Preliminary Work Partitioning: Business Events

A **business event** is an action that initiates some part of the work airbnb performs while supporting hosts and guests. The response to each event is called a **business use case**, representing a discrete functional **partition** of the work. Later, this partitioning will enable us to focus on one business use case at a time when determining more detailed requirements. The **inputs and outputs** clarify the **scope** of the work (in other words, what's in versus what's out).

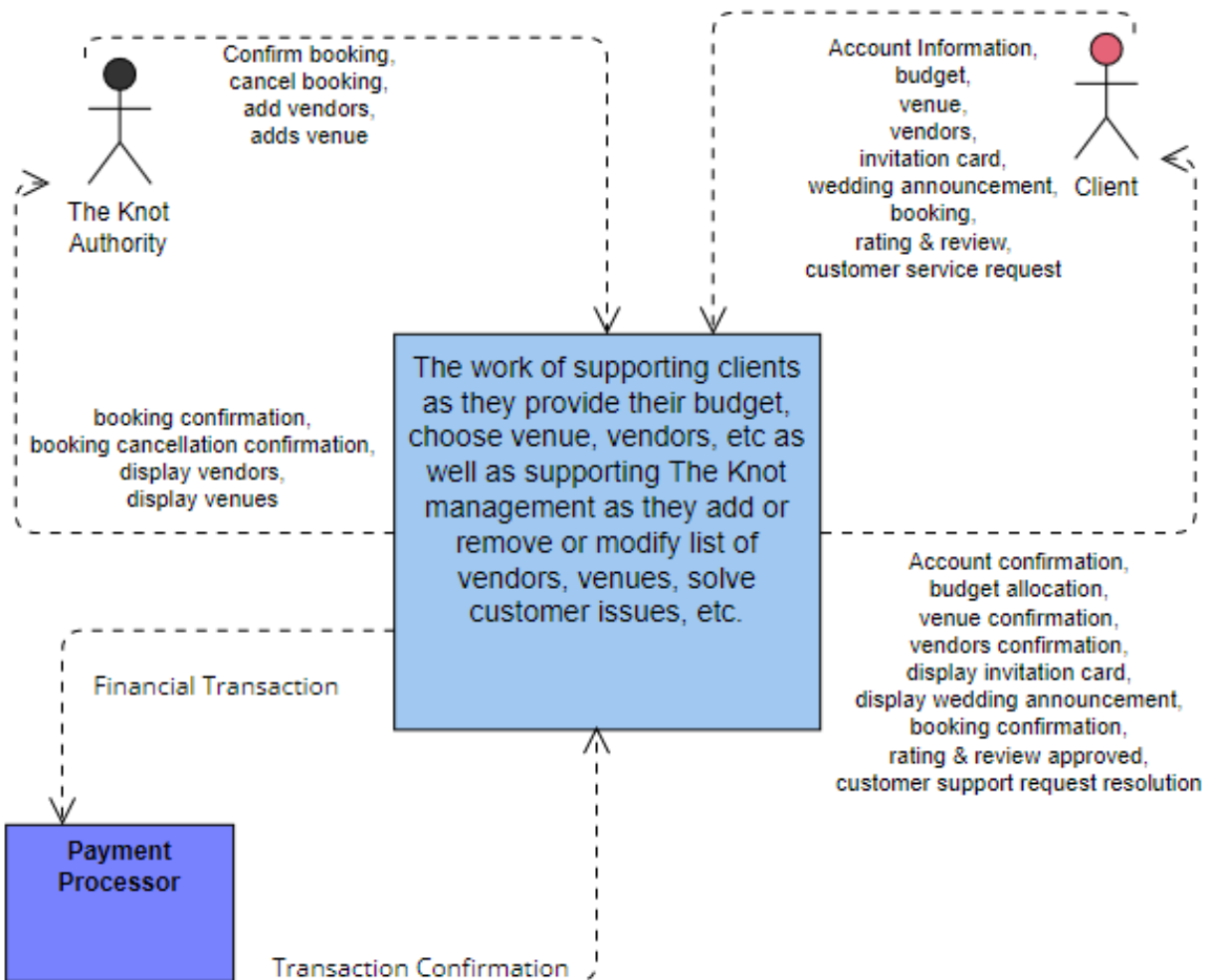
Event Name (include initiating actor)	Input and Output	Business Use Case Summary
1. Client creates The Knot account	New account info (in) New account creation confirmation (out)	Record new account information, confirm email/phone no., success notification
2. Client updates The Knot account	Updated information (in) Account information updated confirmation (out)	Record updated account information, confirm email/phone no., success notification
3. Client deletes The Knot account	Account delete request (in) Account delete confirmation (out)	Record account deletion, confirm success for the client

4. Client inputs his/her budget.	Client's budget (in) Budget allocation confirmation (out)	Record client's budget, confirm success budget allocation for the client
5. Client selects a venue	Venue information (in) Venue select confirmation (out)	Record client's venue selection, notify the client the venue is selected
6. Client changes venue	New venue information (in) New venue selection confirmation (out)	Record new venue information, notify the client the new venue is selected
7. Client creates a customized invitation card	Invitation card design (in) Invitation card designing successful (out)	Record the invitation card design, notify the client the design is completed, display the invitation card to the client
8. Client modifies the invitation card	New invitation card design (in) New invitation card designing successful (out)	Record the new invitation card design, notify the client the modified design is completed, display the new invitation card to the client
9. Client creates wedding announcement	Wedding announcement message (in) Wedding announcement created confirmation (out)	Record the wedding announcement, notify the client the wedding announcement if finished, display the wedding announcement
10. Client modifies the wedding announcement	Updated wedding announcement message (in) Modified wedding announcement created confirmation (out)	Record the modified wedding announcement, notify the client the modified wedding announcement if finished, display the modified wedding announcement
11. Client selects vendors list	Vendor information (in) Vendor list confirmation (out)	Record the vendor list selected by client, notify the client that the vendor list is selected
12. Client modifies vendors list	Change vendor information (in) Modified vendor list confirmation (out)	Record the modified vendor list selected by client, notify the client that the new vendor list is selected

13. Client makes payment for the booking	Credit card information (in) Financial transaction (out) Transaction confirmation (out) Payment confirmation (out)	Process payment, notify the client, notify The Knot
14. Client cancels a booking	cancellation (in) Financial transaction (out) Transaction confirmation (out) Refund confirmation (out) The Knot management notification (out)	Record cancelled booking, process refund, display confirmation to client, notify client
15. Client contacts the customer service with a problem	Customer service request (in) Request resolution (out)	Resolve request
16. Client provides rating and review on the service	Rating and review (in) Rating and review submitted notification (out)	Record the rating and review, approve the review, thank the client
17. The Knot confirms a booking	Booking confirmation (in) Booking confirmation received notification (out) Client notification (out)	Display prompt for The Knot management, accept confirmation from The Knot management, process refund if necessary, record confirmed booking, notify client
18. The Knot cancels a booking	Booking cancellation (in) Financial transaction (out) Transaction confirmation (out) Cancellation confirmation (out) Cancellation notification (out)	Record cancellation, process refund, confirm to The Knot management, notify client
19. The Knot adds a vendor	Vendor information (in) Display vendor on the vendor-list (out)	Record vendor information, make it available on the vendor-list
20. The Knot adds a venue	Venue information (in) Display venue on the venue-list (out)	Record venue information, make it available on the venue-list

## 4. Context Diagram

The following context diagram provides a visual summary of the “inputs and outputs” identified for the business events in Section 3. These inputs and outputs clarify the scope of the work to be investigated related the initial release of the software.



## 5. Potential Future Functionality

Based on our discussions to date, the WPMS team currently believes the following functionality should be outside the scope of the initial release of WPMS. The purpose of this list is to document these ideas so they can be considered for subsequent releases. This list is not intended to exclude ideas for other functionality that may arise in the future.

1. A social media integration can help couples share updates, create a wedding hashtag, and receive recommendations from their network.
2. A smart budgeting system helps couples track expenses, set alerts for approaching limits, and manage their wedding budget.
3. An online RSVP system can manage the guest list and collect RSVPs, reducing the need for physical invitations and manual tracking.
4. A mobile app provides couples with the flexibility to manage their wedding planning, view vendor profiles, and communicate with their wedding planner.
5. Personalized recommendations for vendors, venues, and decorations can be provided based on the couple's preferences.
6. A task management system helps couples track their to-do list, set deadlines, and assign tasks to their wedding planner or family members.
7. A real-time collaboration system enables communication with the wedding planner, vendors, and family members, and allows for document sharing and updates.
8. A data analytics system helps couples analyze their guest list, track RSVPs, and gain insights into their wedding planning process for future events.