

**Operational Concept Description**  
***Online Wedding Management System (OWMS)***

**Team 12**

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Prepared by Project Team

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**Version History**

<b>Date</b>	<b>Author</b>	<b>Ver</b>	<b>Changes made</b>	<b>Rationale</b>
09/26/20	DY	1.0	<ul style="list-style-type: none"> <li>Initial version of OCD</li> </ul>	<ul style="list-style-type: none"> <li>Initial Document for Evaluation Phase</li> </ul>
09/27/13	DY	1.0	<ul style="list-style-type: none"> <li>Initial version of OCD with final changes</li> </ul>	<ul style="list-style-type: none"> <li>Initial Document for Evaluation Phase</li> </ul>
10/15/13	DY	1.1	<ul style="list-style-type: none"> <li>Proposed New Operational Concept, System Objectives, Constraints and priorities</li> </ul>	<ul style="list-style-type: none"> <li>Final version document for Valuation Phase</li> </ul>
10/23/13	DY, KB, RT	1.2	<ul style="list-style-type: none"> <li>Changed Program Model, Benefits Chain Diagram, System Boundary Diagram, Updated Capability Goals and Constraints</li> </ul>	<ul style="list-style-type: none"> <li>ARB Comments</li> </ul>
12/02/13	DY	1.3	<ul style="list-style-type: none"> <li>Changed Program Model, Benefits Chain Diagram, System Boundary Diagram, Business Workflow Diagram Updated Capability Goals and Constraints</li> </ul>	<ul style="list-style-type: none"> <li>TA's comments and ARB feedback</li> </ul>
12/09/13	DY	1.4	<ul style="list-style-type: none"> <li>Added all external components to System Boundary Diagram</li> </ul>	<ul style="list-style-type: none"> <li>Added Functionalities to the system.</li> </ul>

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## **1. Introduction**

### **1.1 Purpose of the OCD**

This document details the success-critical stakeholders' shared vision and goals for “Online Wedding Management System (OWMS)”. The stakeholders are Mrs. Samta Jain, as Product owner, USC Development Team, Bride and Groom, as users and Maintainer.

### **1.2 Status of OCD**

The status of OCD is at version 1.3. All sections are complete, ready for TRR ARB. The faults fixed are inconsistency in Program Model, Benefits Chain Diagram, System Boundary Diagram from the comments given in the previous ARB.

## 2. Shared Vision

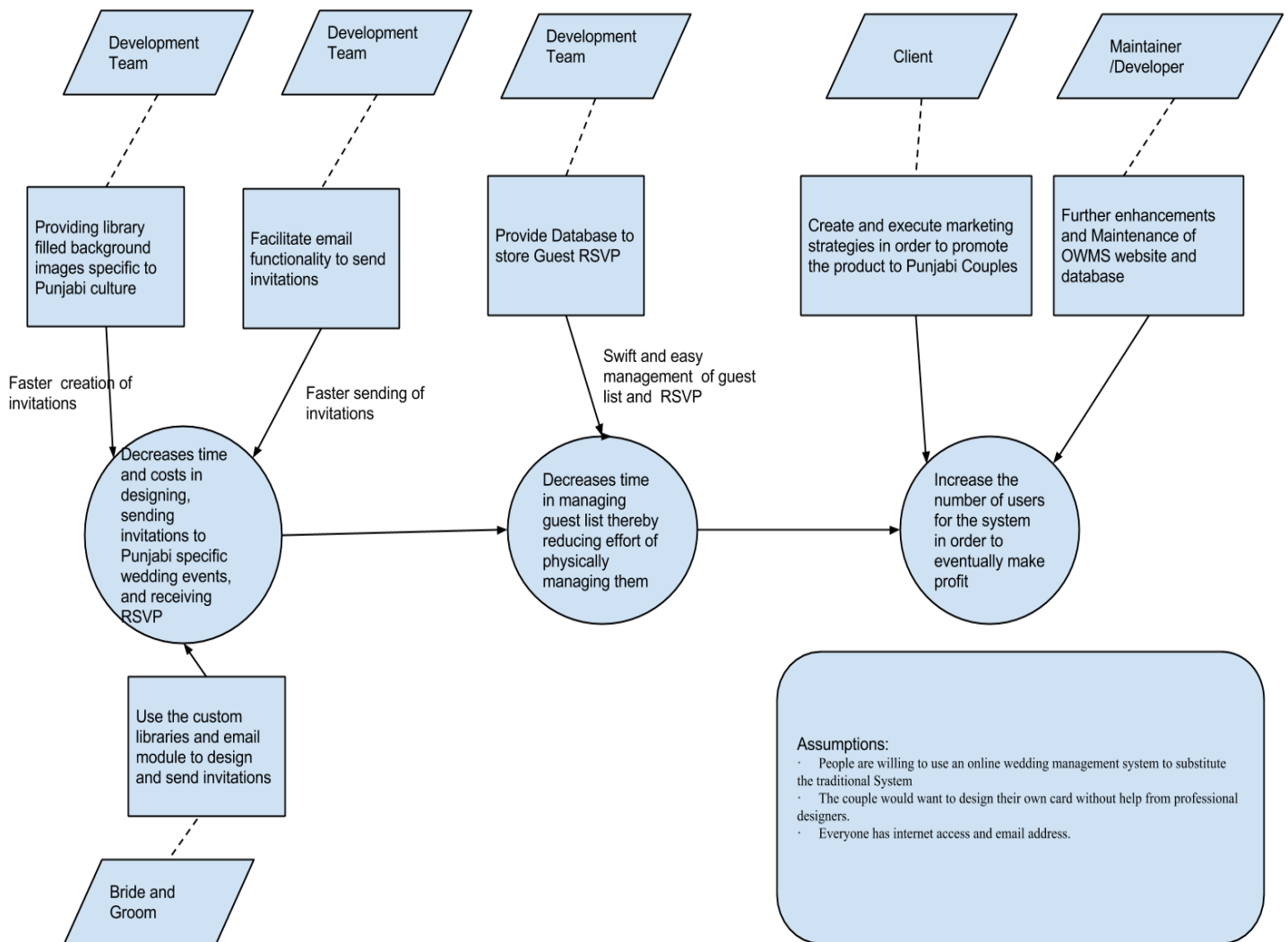
### Program Model

The following section is a breakdown of the overall program model as understood by the development team during win-win negotiation sessions.

<b>Assumptions</b> <ul style="list-style-type: none"> <li>• People are willing to use an online wedding management system to substitute the traditional system.</li> <li>• The couple would want to design their own card without help from professional designers.</li> <li>• Everyone has internet access and email address.</li> </ul>			
<b>Stakeholders</b> (Who)	<b>Initiatives</b> (What)	<b>Value Propositions</b> (Why)	<b>Beneficiaries</b> (For Whom)
<ul style="list-style-type: none"> <li>• Product owner</li> <li>• Development team</li> <li>• Bride and Groom</li> <li>• Maintainer</li> </ul>	<ul style="list-style-type: none"> <li>• Providing libraries filled with content specific to Punjabi culture (icons, background images)</li> <li>• Facilitate emailing invitations</li> <li>• Designing a database that keeps track of RSVP information</li> <li>• Create and execute marketing strategies in order to promote product to Punjabi couples</li> <li>• Hire a maintainer /developer to maintain the website</li> </ul>	<ul style="list-style-type: none"> <li>• Decrease time in creating invitation cards for Punjabi couple and decreases time and costs in sending invitations to guests.</li> <li>• Decrease time in managing of guest list and RSVP</li> <li>• Increase amount of users of product in order to eventually make profit</li> </ul>	<ul style="list-style-type: none"> <li>• Bride and groom</li> <li>• Product Owner</li> </ul>
<b>Cost</b> -Hosting website on Amazon Web-Services -Marketing cost		<b>Benefits</b> -Save cost of sending physical invitation (especially to guests in distant countries) -Saves time of sending the invitation and waiting to receive the reply	

**Table 1: Program Model**

## 2.2 Benefits Chain Diagram



**Figure 1: Benefits Chain Diagram**

## **2.3 System Capability Description**

“Online Wedding Management System” is an online application that Indian Punjabi couples can use to design and send invitations, and communicate with guest about the couple’s upcoming wedding. The system will provide a means for the engaged couple to design and distribute an electronic wedding invitation via email, reducing time and cost. By having a database exclusively to track the RSVP from guests, the couple can save a lot of time in organizing the guest list.

There is no existing system. Everything is built from scratch.

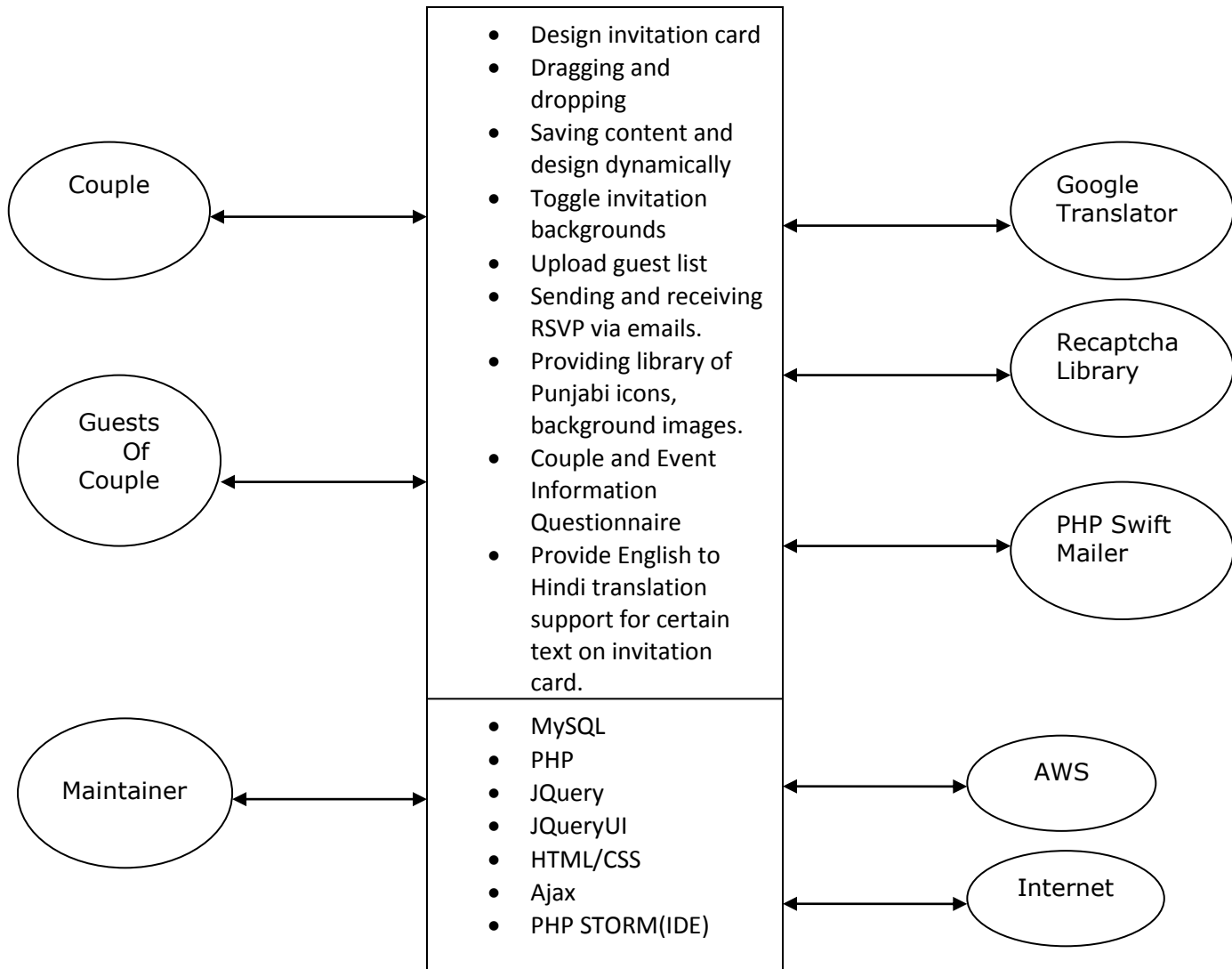


## 2.4 System Boundary and Environment Diagram

Figure 2 shows a diagram of the system to provide an overhead view of the boundaries of the system and the entities it interacts with. The features allow the couple to interact with their guests, friends, and family through the features in the system.

For a more detailed look at these features in section 2.3.1

**Figure 2: System Boundary and Environment Diagram**



### 2.3.1 Entities in System Boundary Diagram:

List of services provided:

- Design invitation card
- Dragging and dropping
- Saving content and design dynamically
- Upload guest list

- Sending and receiving RSVP via emails.
- Providing library of Punjabi icons, background images.
- Couple and Event Information Questionnaire
- Google translation from English to Hindi for certain text.

List of support infrastructure:

- MySQL
- PHP
- JQuery, JQueryUI
- HTML/CSS
- Ajax
- PHP STORM(IDE)

Service Users:

- Couple
- Guests

System administration users:

- Maintainer

External Sources:

- AWS
- Google Translator
- Recaptcha Library
- PHP Swift Mailer

### **3. System Transformation**

#### **3.1 Information on current system**

##### **3.1.1 Infrastructure**

The website is written in PHP, JQuery, JQueryUI, HTML, CSS and Ajax. The site is hosted on AWS EC2. The database is hosted on Amazon Web Services (AWS) RDS that supports 20 GB of storage and 20GB of backup for database.

##### **3.1.2 Artifacts**

- Wedding invitation templates and icons

##### **3.1.3 Current Business Workflow**

We don't have an existing system. Everything is being built from scratch.

## 3.2 System Objectives, Constraints, and Priorities

### 3.2.1 Capability Goals

ID	Capability Goal	Priority Level
CG-1	Upload list of guest details by couple	Must Have
CG-2	Capability to get information from user by providing Event and Couple Information questionnaire	Must Have
CG-3	Drag and Drop Functionality	Must Have
CG-4	Saving the invitation card design and content after each session	Must Have
CG-5	Dynamically save text content and update the database	Must Have
CG-5	Providing Libraries of icons and background images.	Must Have
CG-6	Send and receive RSVP via email	Must Have
CG-6	Toggle Invitation Backgrounds	Should Have
CG-7	Use Google translate to provide dual language support	Would Like

### 3.2.2 Level-Of-Service Goals

ID	Level-Of-Service Goals	Desired Level	Acceptance Level	Win Condition
LOS-1	Availability of the system(In terms of number of hours per day)	24hrs/day	20hrs/day	WC_2811
LOS-2	Number of concurrent users	50	40	WC_2925

### 3.2.3 Organizational Goals

ID	Organizational Goal
OG-1	Providing a blend of traditional and modern Punjabi culture
OG-2	Usage of OWMS as a start-up company

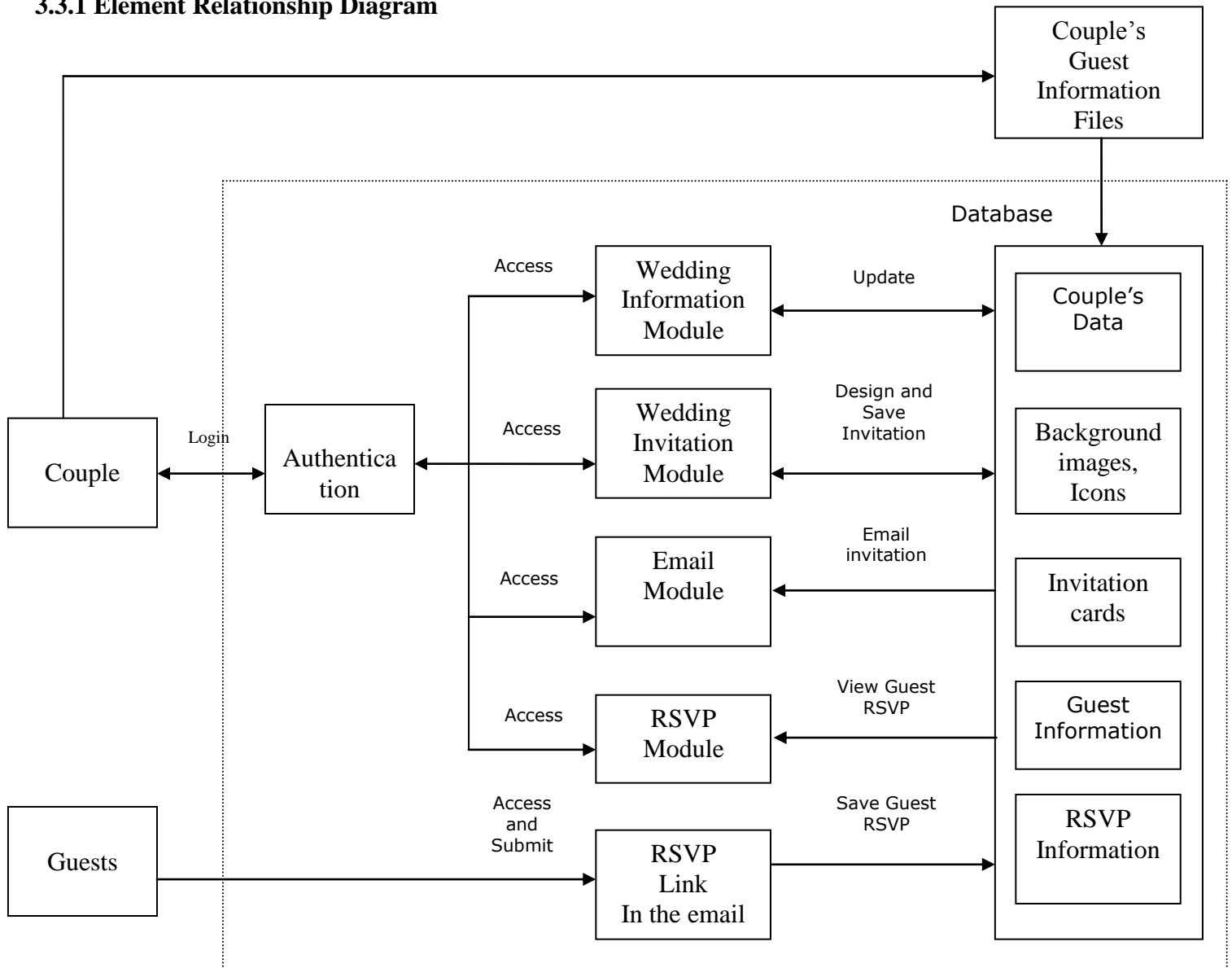
### 3.2.4 Constraints

ID	Constraints
C-1	Only registered members can use the system
C-2	Memory Usage restriction for each couple(amount of data they can upload) Instead should be not enough storage on AWS
C-3	Use of modern browsers(minimum IE-10+ /Firefox 17+/Chrome 20+)

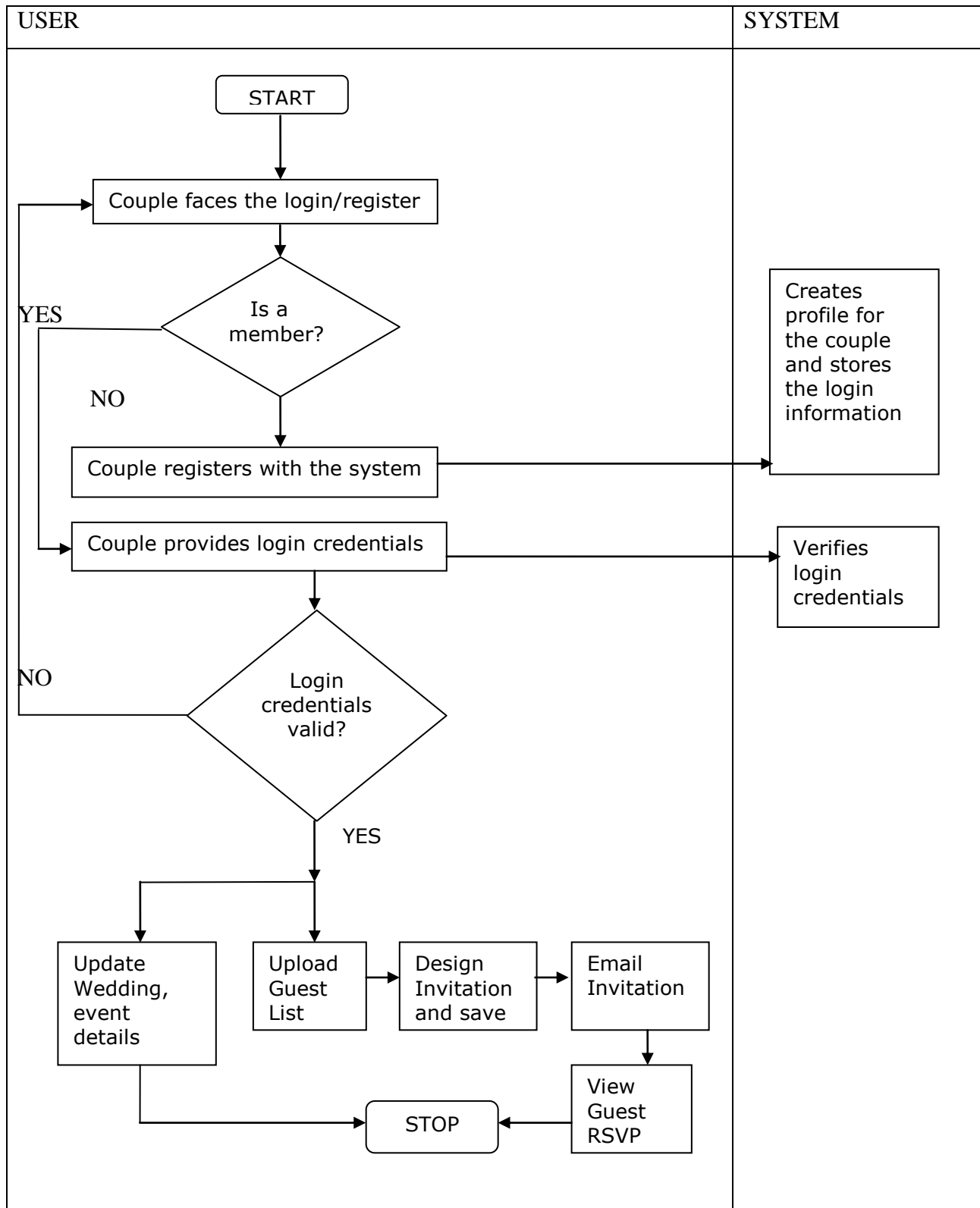
### 3.2.5 Relation to Current System

Since we are building the system from scratch there is no relation to current existing system.

**3.3.1 Element Relationship Diagram**



**Figure 3: Element Relationship Diagram**



**Figure 4: Business Workflow Diagram**

## **3.4 Organizational and Operational Transformations**

### **3.4.1. Organizational Transformations**

A maintainer/future developer is needed to maintain the database and resolve problems that arise in maintaining the website and database.

### **3.4.2 Operational Transformations**

The Punjabi couple can set up a website to reach out to their wedding guests with an electronic invitation, and a place customized for them to send their guests to learn more information.

Upon getting to the OWMS the couple will create an account. They will be asked for typical information such as family names, venue, and other wedding details. There will also be questions regarding their cultural background and preferences. Once the questionnaires are complete a website will provide each party a URL to use to direct their family to. This will be the front facing site they can use to keep guests up to date on the events regarding the wedding.

Now that the couple has created and personalized website and their invitation, they can update guests on locations and times of Haldi, Mehndi, Sangeet, Wedding and Reception.