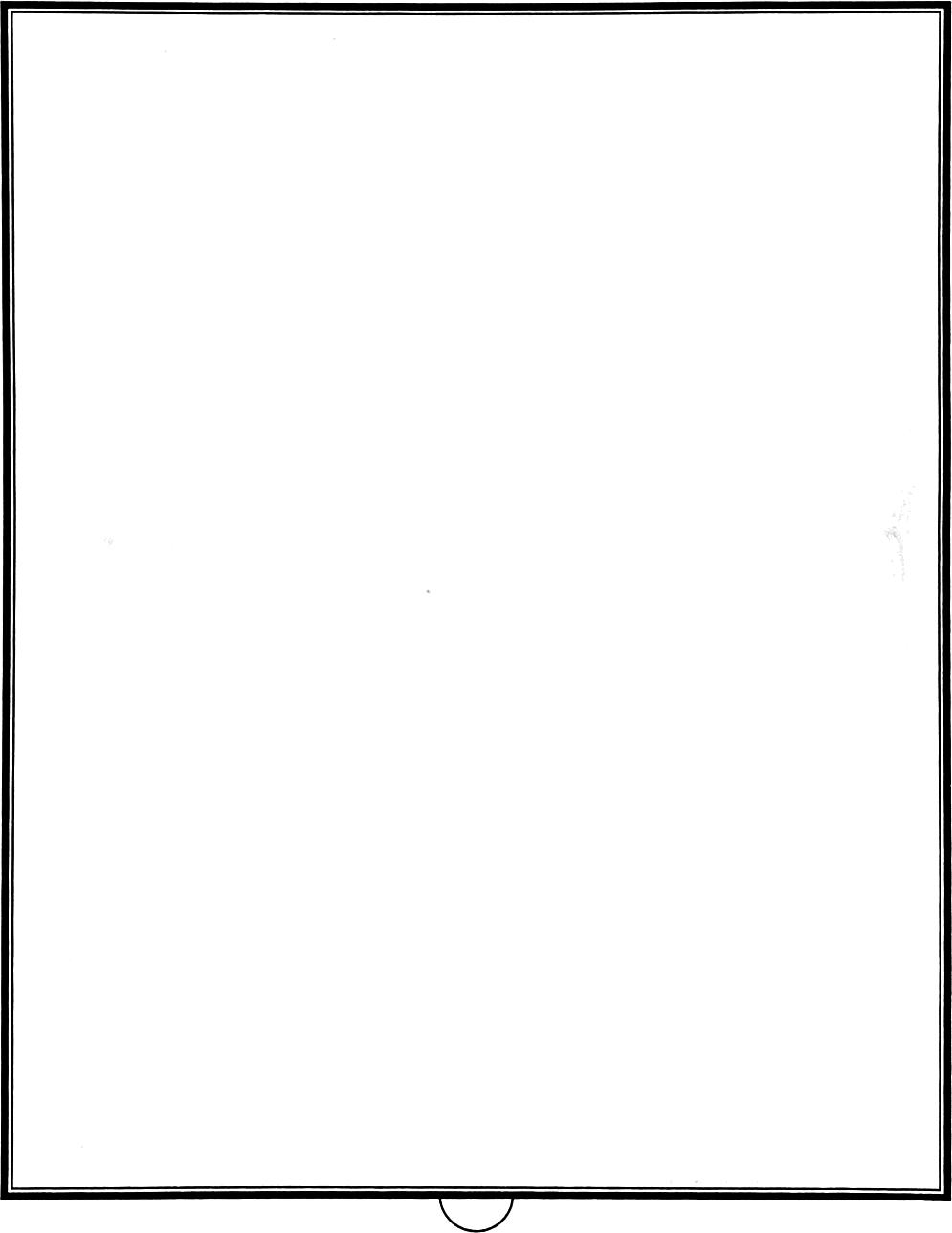
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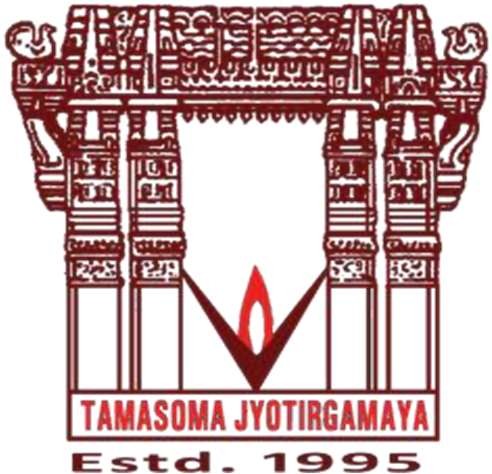
Experiment No: Dates



Low Level Design Document

**On**

UG/PG Internship Module



VNR Vignana Jyothi Institute of Engineering & Technology Bachupally, Nizampet (S.O), Hyderabad–90

**Submitted By**

**Group Details:**

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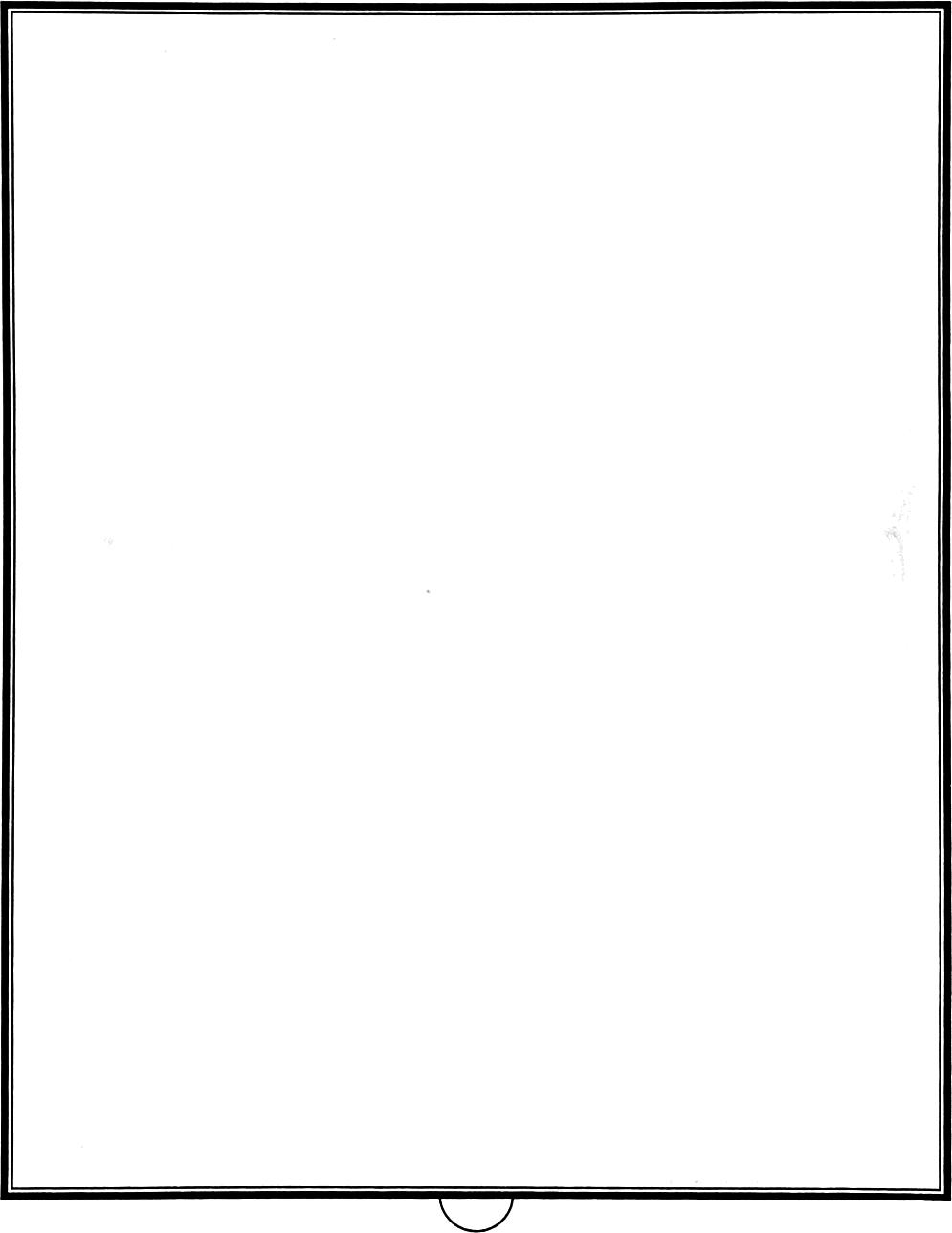
**Y.Saketh -22071A0564**

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Name of the Experiment:

Experiment No: Dates



**Document Overview**

**1.1 Purpose**

The purpose of this document is to provide a detailed and granular blueprint that guides the implementation phase of the UG/PG Internship Module. It offers a precise specification of each module, component, and interface, ensuring clarity on functionality. The Low-Level Design (LLD) defines module interactions, functionalities, and logging processes. It addresses compliance with educational regulations and performance optimization techniques. Serving as a comprehensive reference, the LLD ensures accurate, efficient, and robust system development. This document aims to provide a structured framework for enhancing the experience of students and faculty in aspects of applying for internships, tracking progress, and managing feedback.

**1.2 Audience**

The purpose of this detailed-level design document is to furnish the development team with a comprehensive guide for implementing the functionalities of the UG/PG Internship Module. Additionally, it serves as a means to communicate intricate design elements and considerations to the members involved in the project. By providing detailed descriptions of system components and design considerations, along with necessary sequence diagrams, this document aims to facilitate seamless collaboration between development team members and faculty, ensuring the successful realization of the internship module’s objectives.

- DEVELOPMENT TEAM

- PROJECT MANAGERS

- ACADEMIC SUPERVISORS

**1.3 Detailed – Design Process**

Once the high-level design was completed, we focused on developing a detailed-level design. First, a general UML module diagram for the server-side system was generated. Then the team discussed what design patterns could be used to enhance the general design. The team decided that factory, strategy, and command design patterns were appropriate for use in different portions of the general design. A more thorough version of the design was generated, including the chosen design patterns. Then the team went through each class in the design and decided upon major functions and attributes. Various parameterized objects were added for intersystem communication.

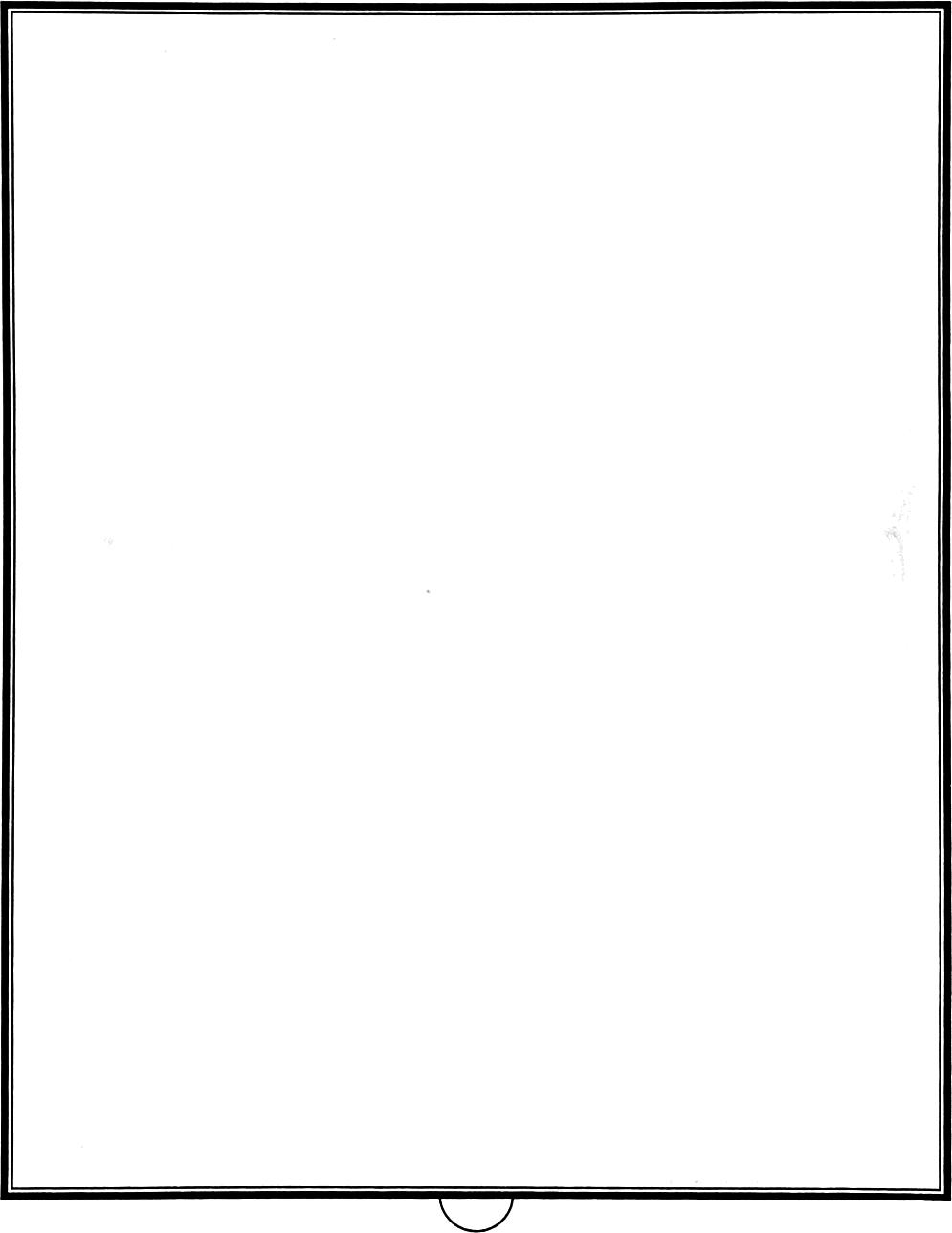
Finally, the team used sequence diagrams to verify that thedesign is capable of satisfying each use case, as specified in the Software Requirements Specification. The process of generating sequencediagrams led to the discovery of design flaws, and modifications to the design were made as needed.

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**2.Detailed –Level Design**

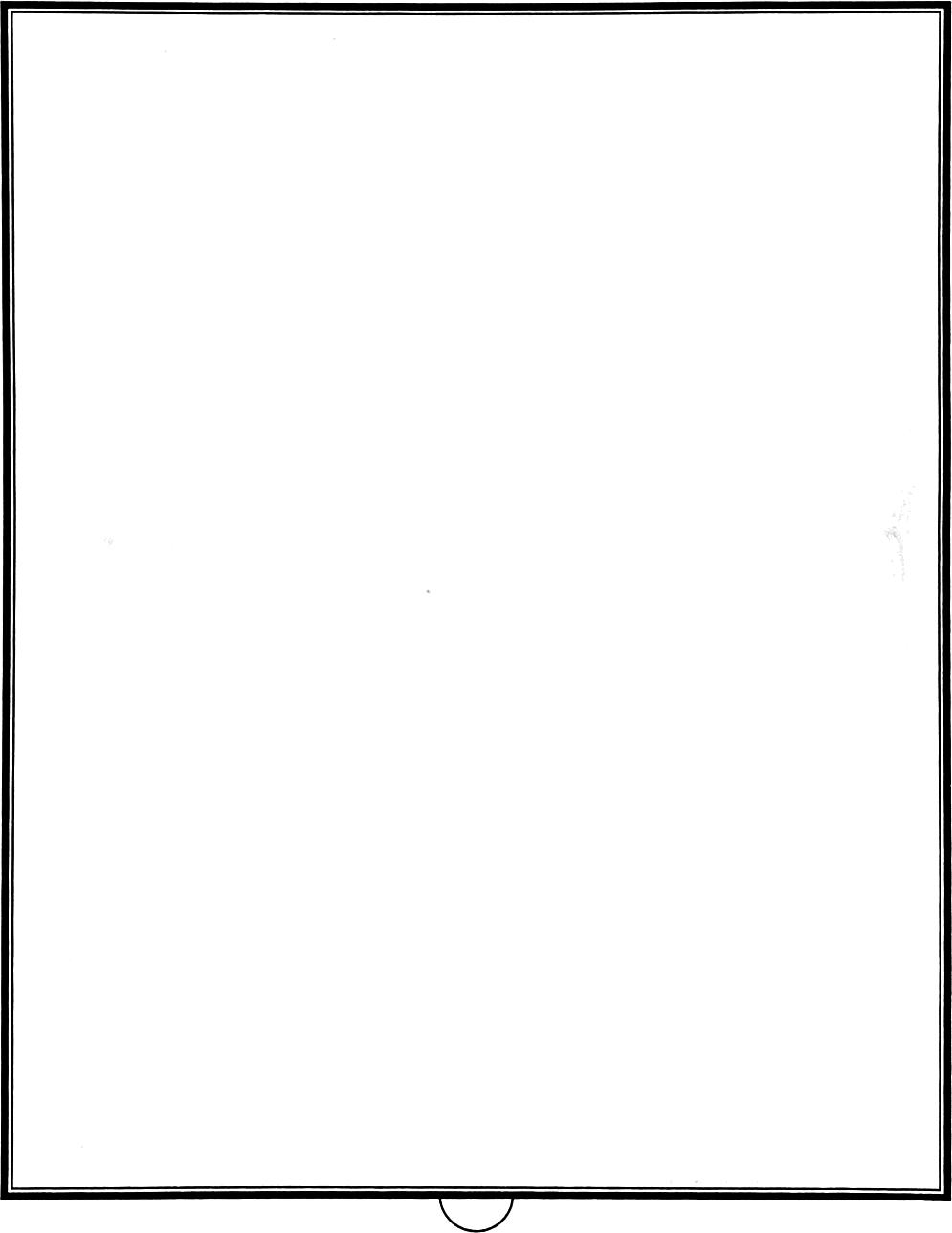
**2.1 Use case Diagram**

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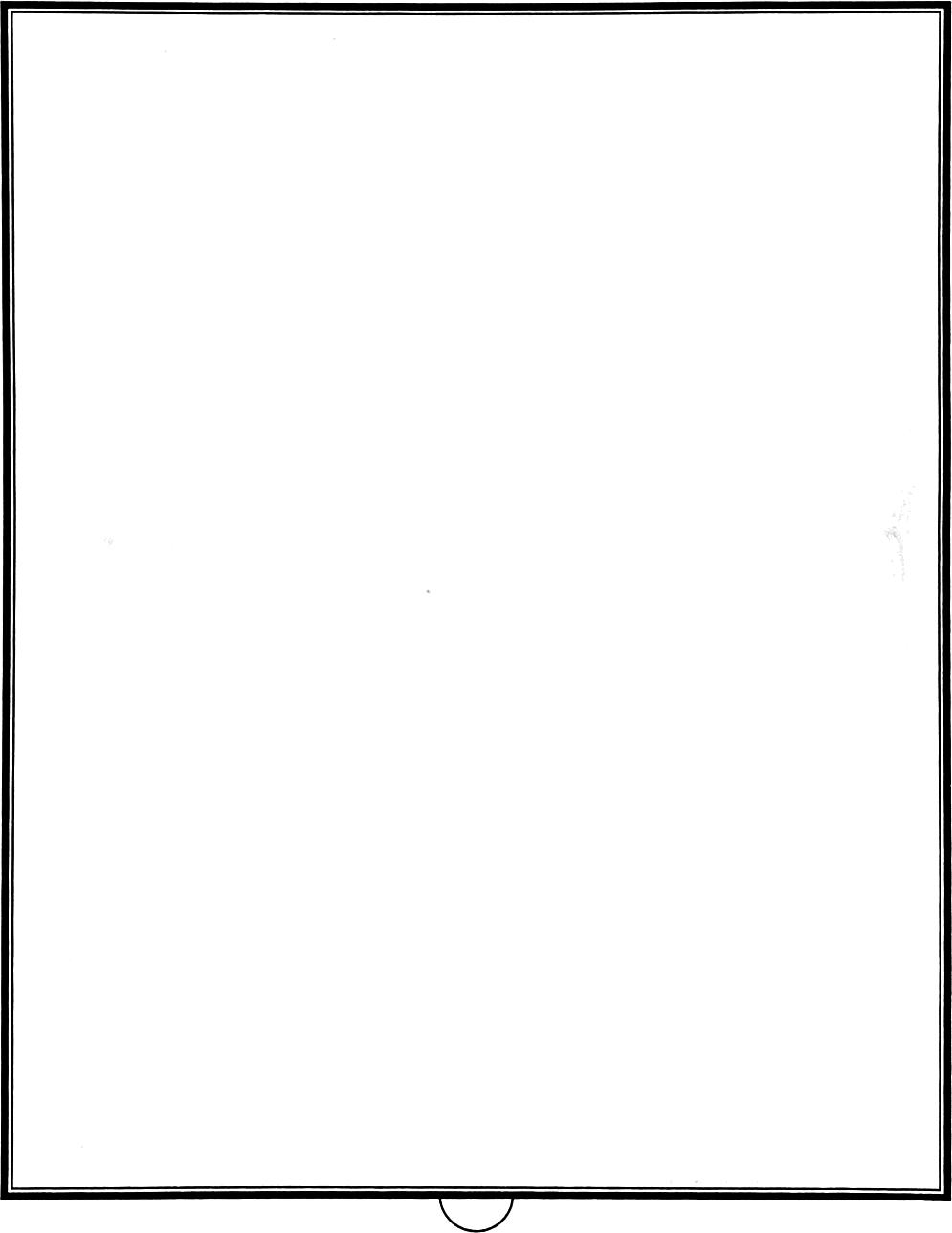
**2.2 Class Diagram**

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**2.3 Sequence Diagrams**

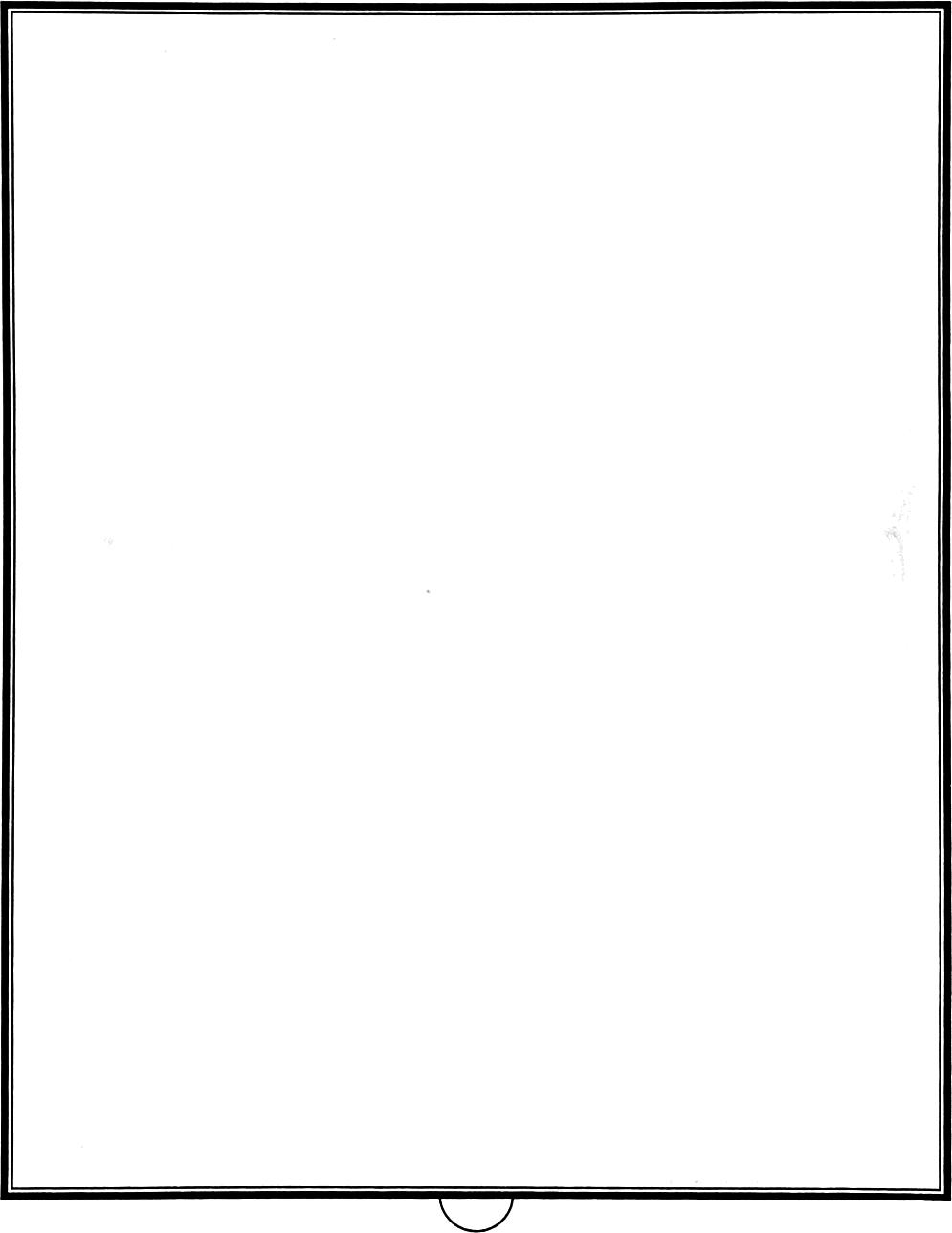
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Name of the Experiment:

Experiment No: Dates



1. Report generation and download:

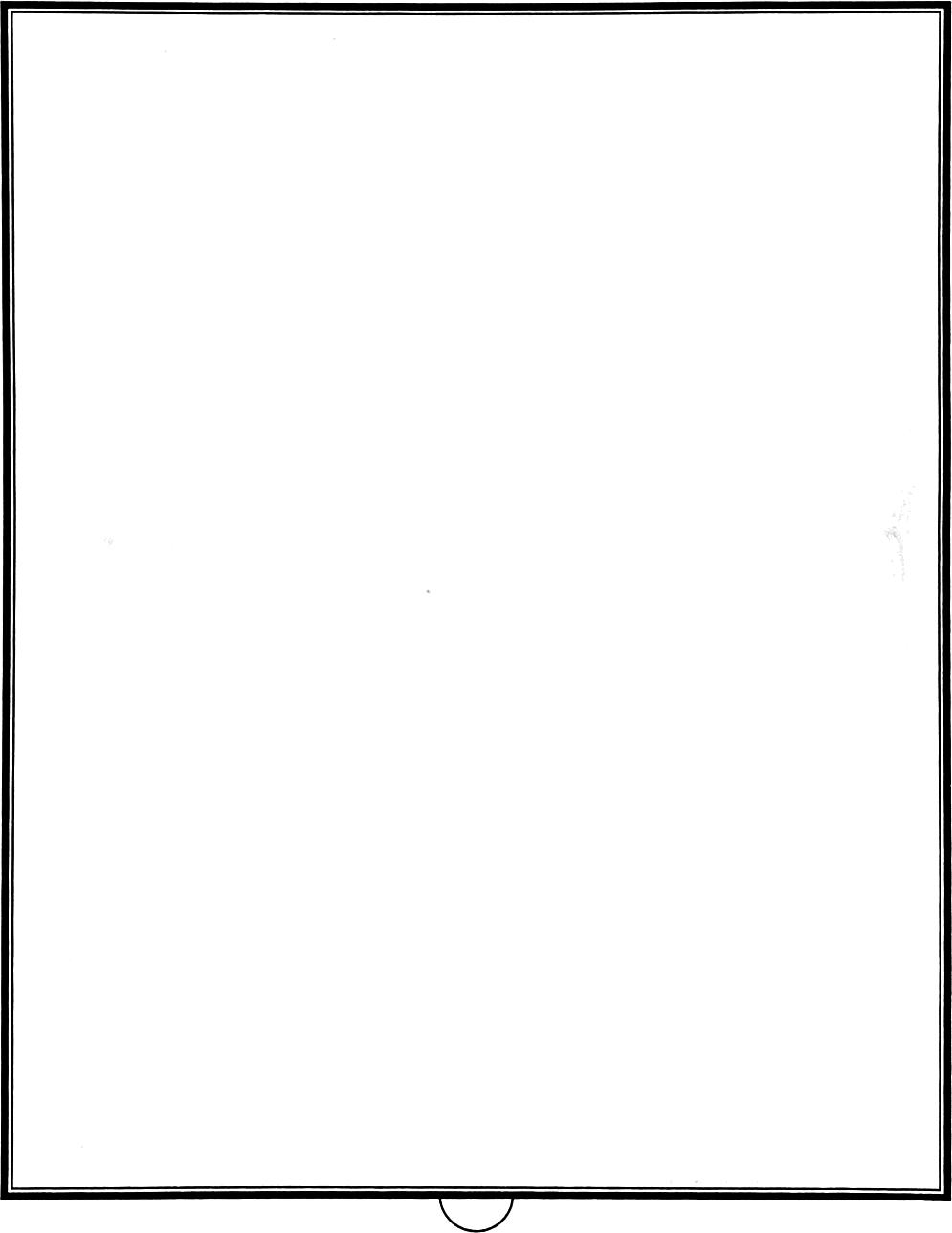


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**2.4 Activity Diagrams**

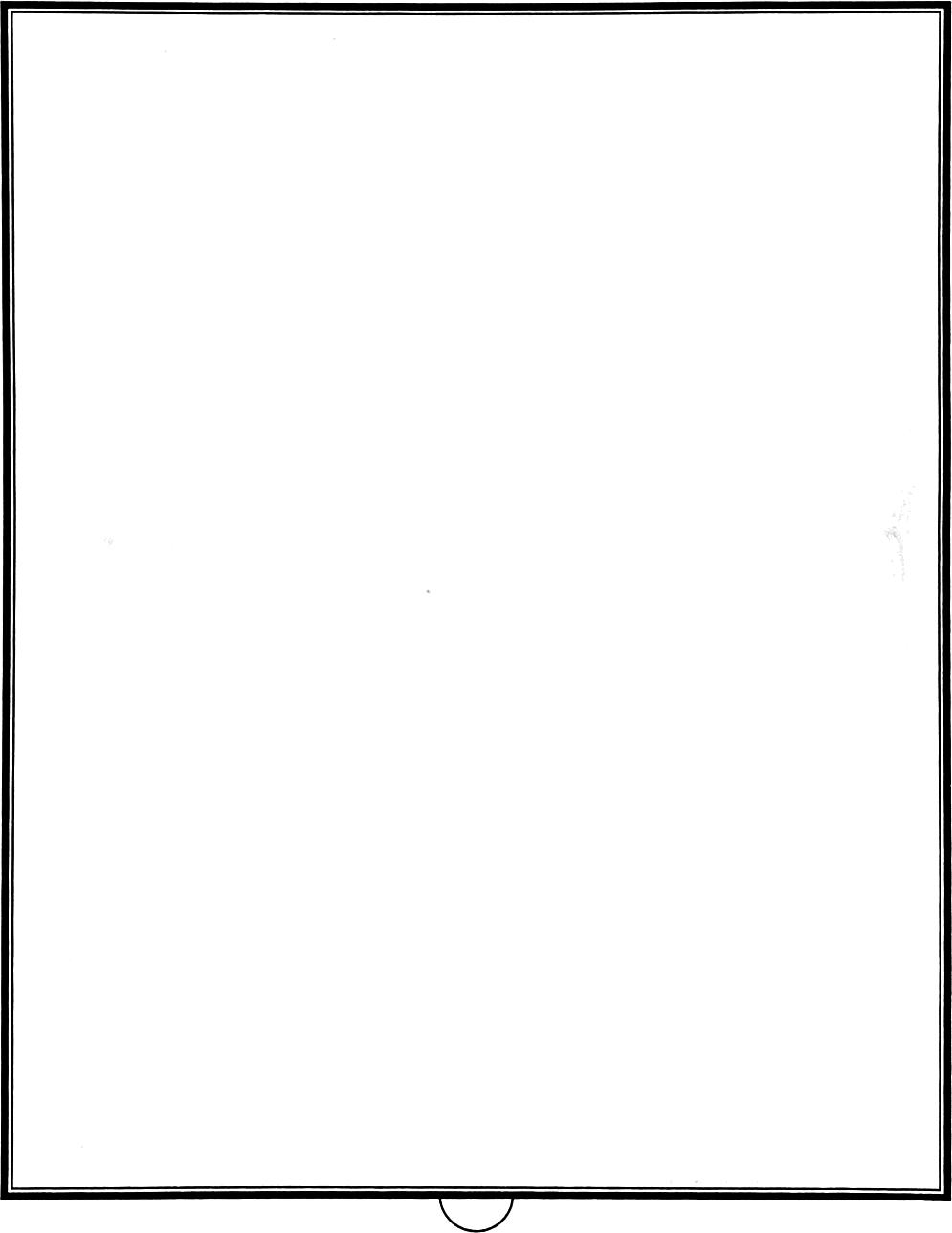
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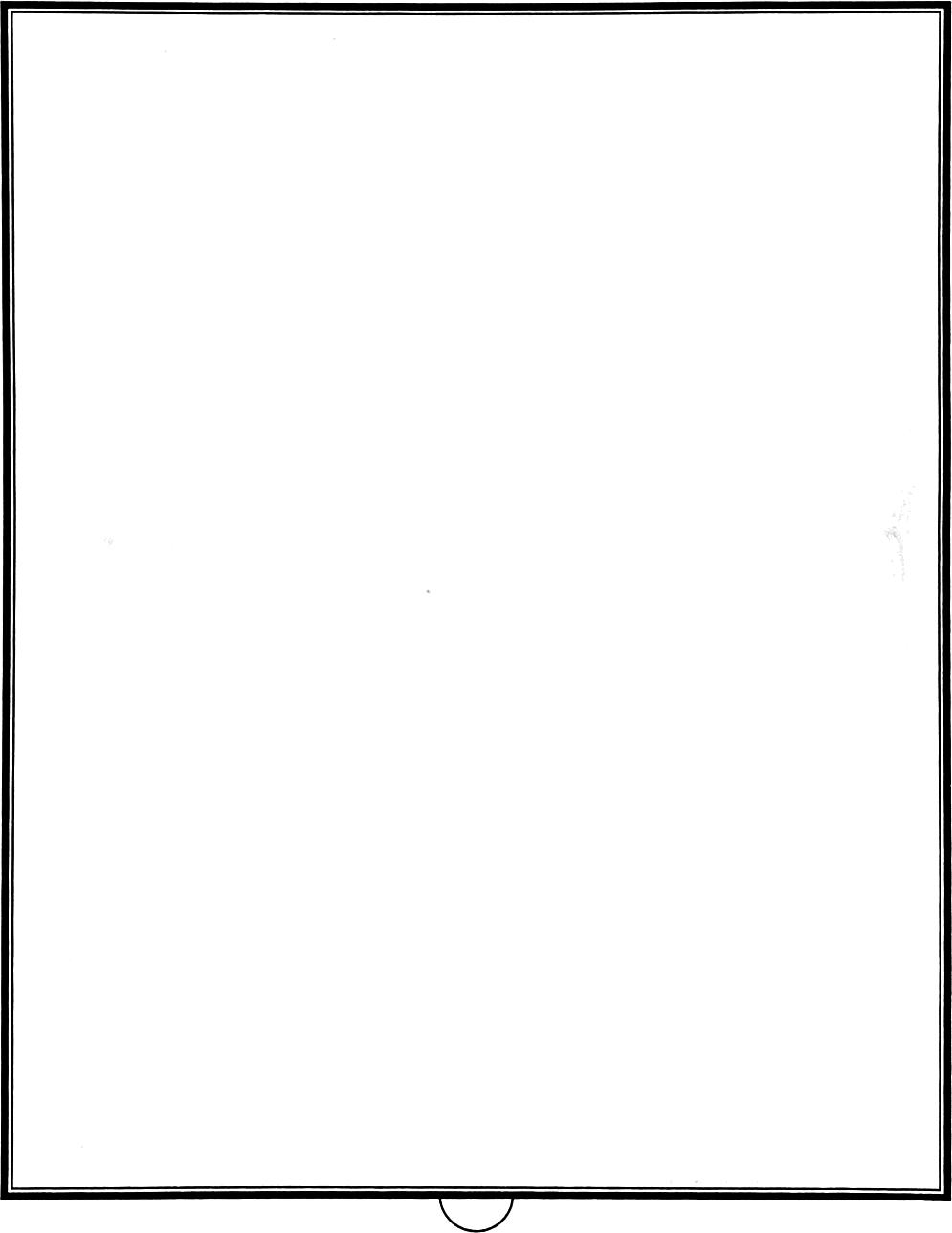
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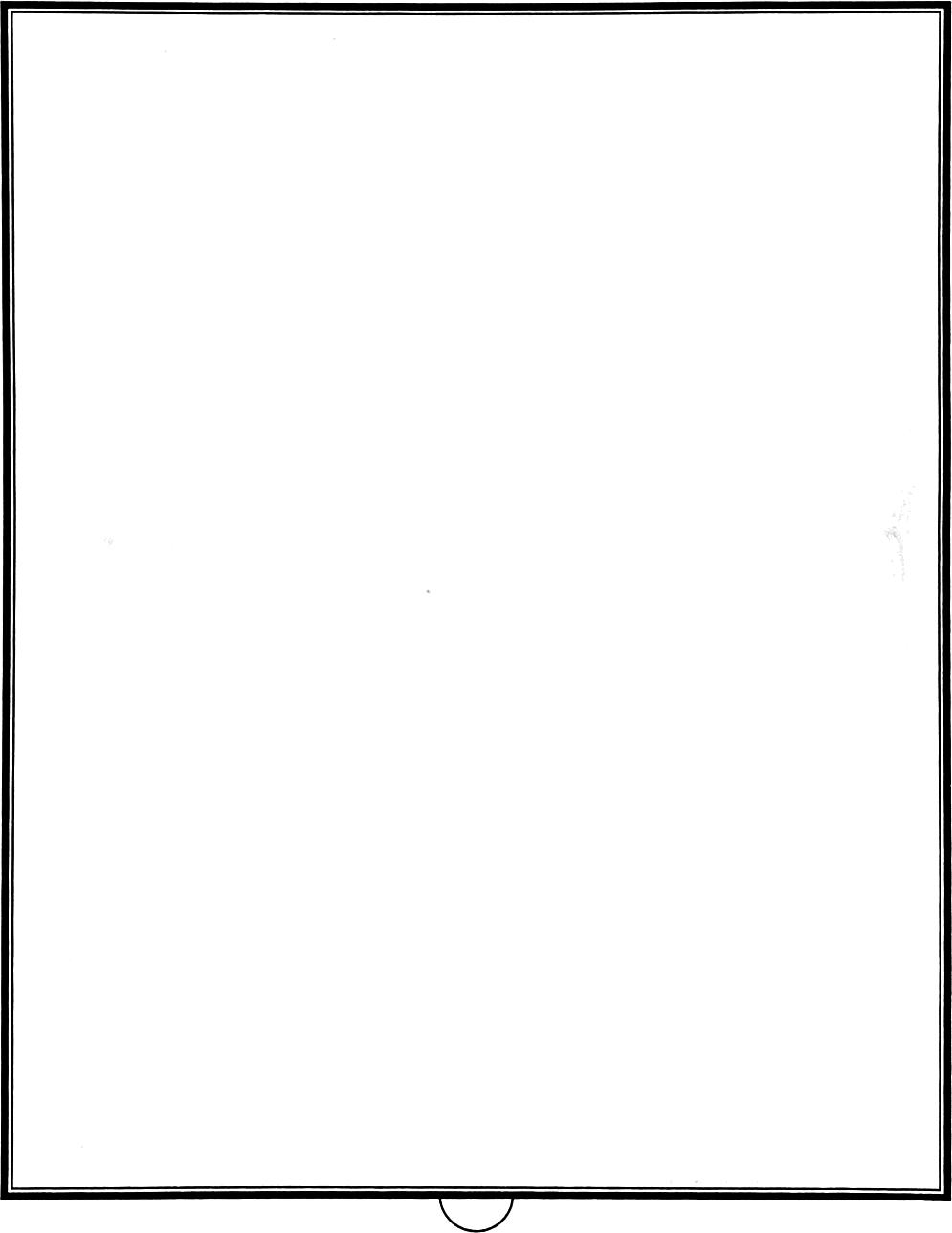
**2.5 State Chart Diagram**

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**2.6 Object Diagram**

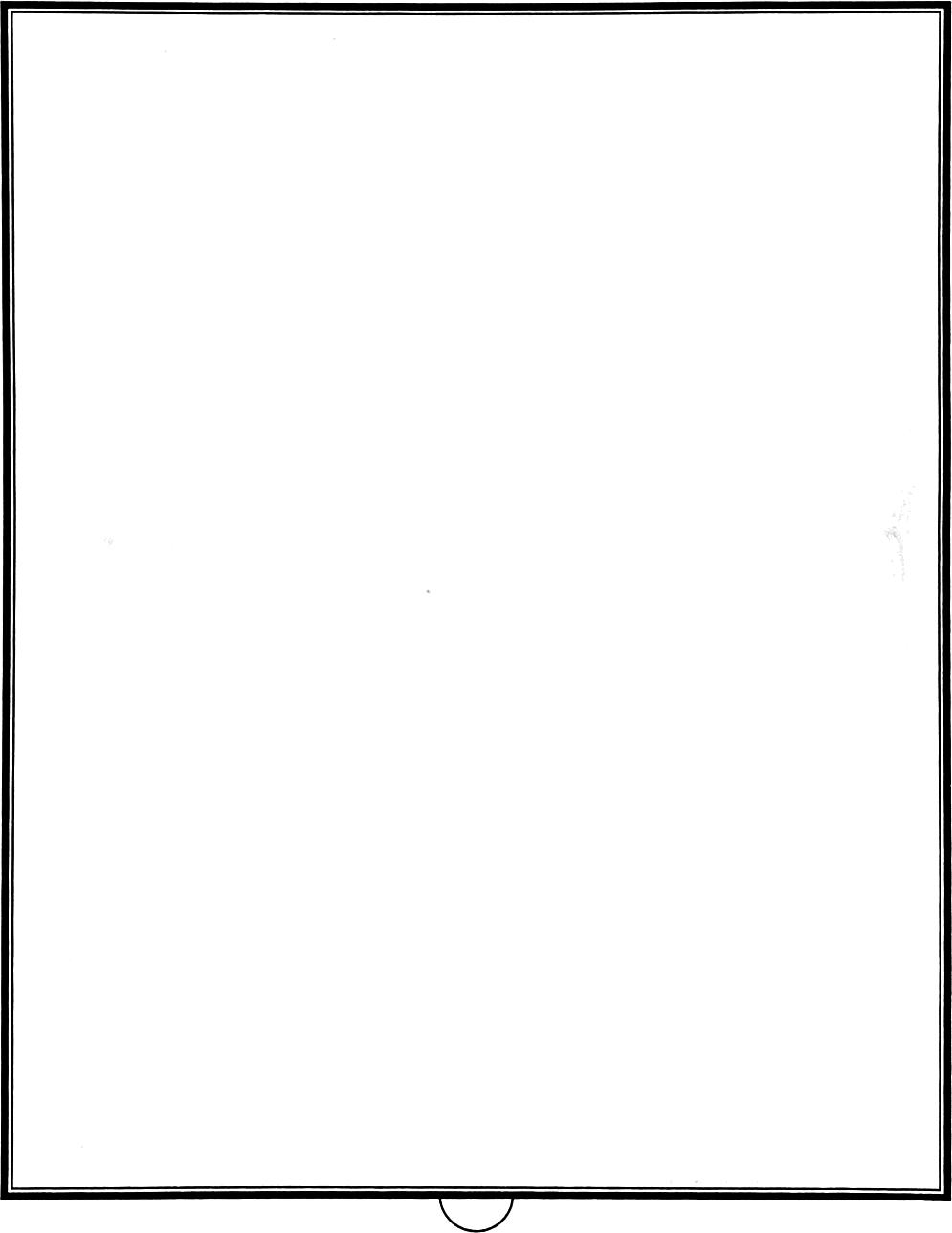
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**2.7 Component Diagram**

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**2.8 Deployment Diagram**