APRIL 28 2025 <PINKTEREST> SYSTEM DESIGN DOCUMENT DRAFT

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Introduction

Describe the purpose of this design document and outline what it contains.

The purpose of this document is to clarify the requirements needed to successfully create a Pinterest clone. It will contain three main topics: the Design Level Class Diagram, Statechart diagram, and the First Cut Domain Sequence Diagram.

First, for the Design Level Class Diagram, we will

Next, for the Statechart diagram, we will use Draw.io to show the system's

Lastly, the First Cut Domain Sequence Diagram show will have the system sequence charts to connect all the diagrams and show how everything works together.

DESIGN LEVEL CLASS DIAGRAM

Link to our Class Diagram:

https://drive.google.com/file/d/1k73YHuq7VawkCF6OsAf-FmL7HRA7_T6n/view?usp=sharing

Sources:

https://www.visual-paradigm.com/guide/uml-unified-modeling-language/uml-aggregation-vs-composition/

http://visual-paradigm.com/guide/uml-unified-modeling-language/uml-class-diagram-tutorial/http://visual-paradigm.com/guide/uml-unified-modeling-language/uml-class-diagram-tutorial/'

Pseudocode: Pseudocode for PinkTerest Class Diagram

Refine your Class Diagram from your Analysis phase to contain the following additional information:

- Attributes: data types, initial values, range of values (if appropriate)
- *Methods: return types, parameters*
- Pseudocode for each method

STATECHART DIAGRAM

• https://drive.google.com/file/d/12C4ORZEiVdEYq8MVwCBmognKkYlLua4Z/view ?usp=sharing

Create one Statechart Diagram per object.

FIRST CUT DOMAIN SEQUENCE DIAGRAMS

Create one Domain Sequence Diagram per use case.

https://drive.google.com/file/d/1eq738r7cME8AjF3hLs_6qUHc9jVcEA-m/view?usp=sharing