

Prime Time *PT* Preliminary Design Review (PDR)

Team: Ibrahim Abdi, Tarin Sultan, Mike Maryn,
Collin Rokke & Vehans Ayvazi

Project Organization

**Project
Manager**
Tarin Sultan

**Technical
Lead**
Vehans Ayvazi

**Software/Test
Engineer**
Ibrahim Abdi

**Software/Test
Engineer**
Collin Rokke

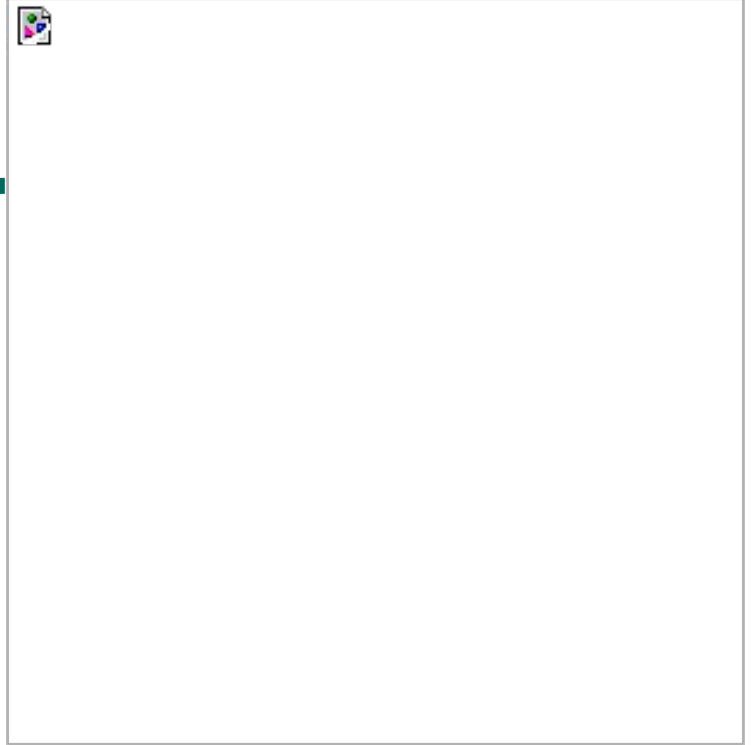
**Software/Test
Engineer**
Mike Maryn

PDR Overview

- ❖ Concept of Operation
- ❖ System Overview
- ❖ Architecture Design
- ❖ Project Organization
- ❖ Schedule Overview
- ❖ Risk Assessment



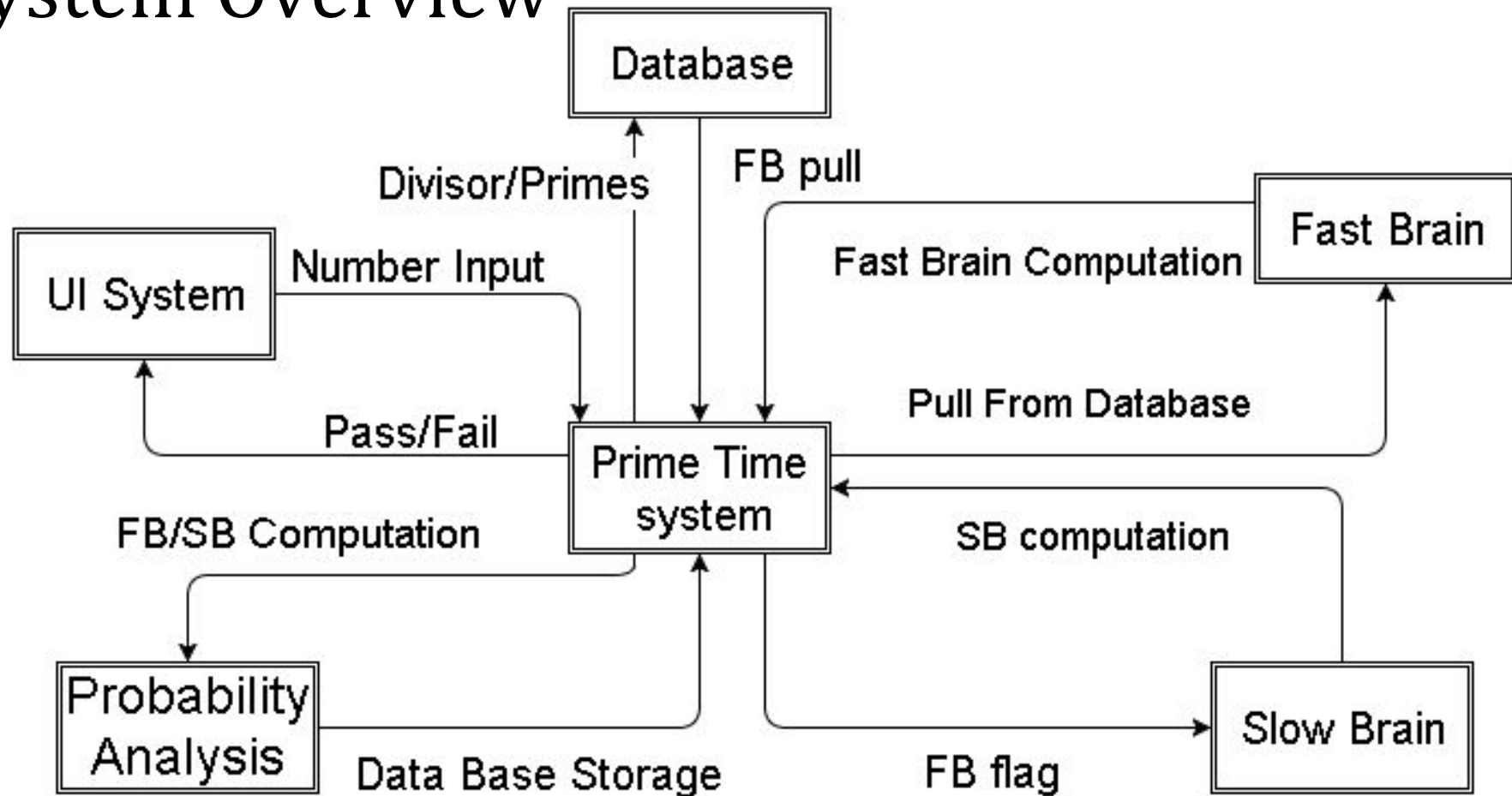
Concept of Operation



Requirements Specification

- ❖ Be able to decrease time to find prime numbers by using Algorithm/Memory/Analytics.
- ❖ Display performance of all layers:
 - Layer #1: Slow Brain Process
 - Prime Algorithm
 - Layer #2: Fast Brain Process
 - Storage of results
 - Layer #3: Organization of Fast Brain Process
 - Sorting of previously stored results.
 - Probability analysis

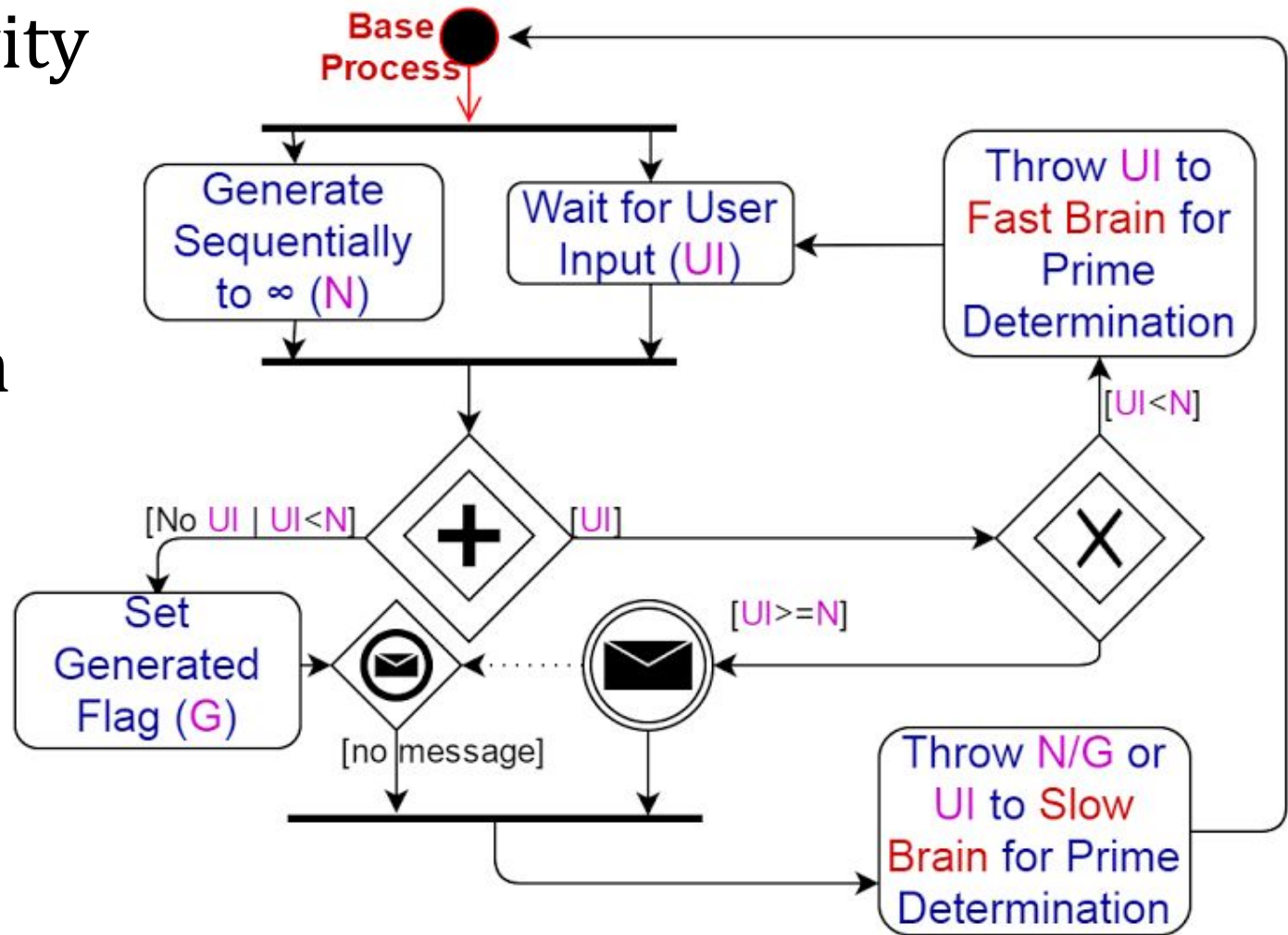
System Overview



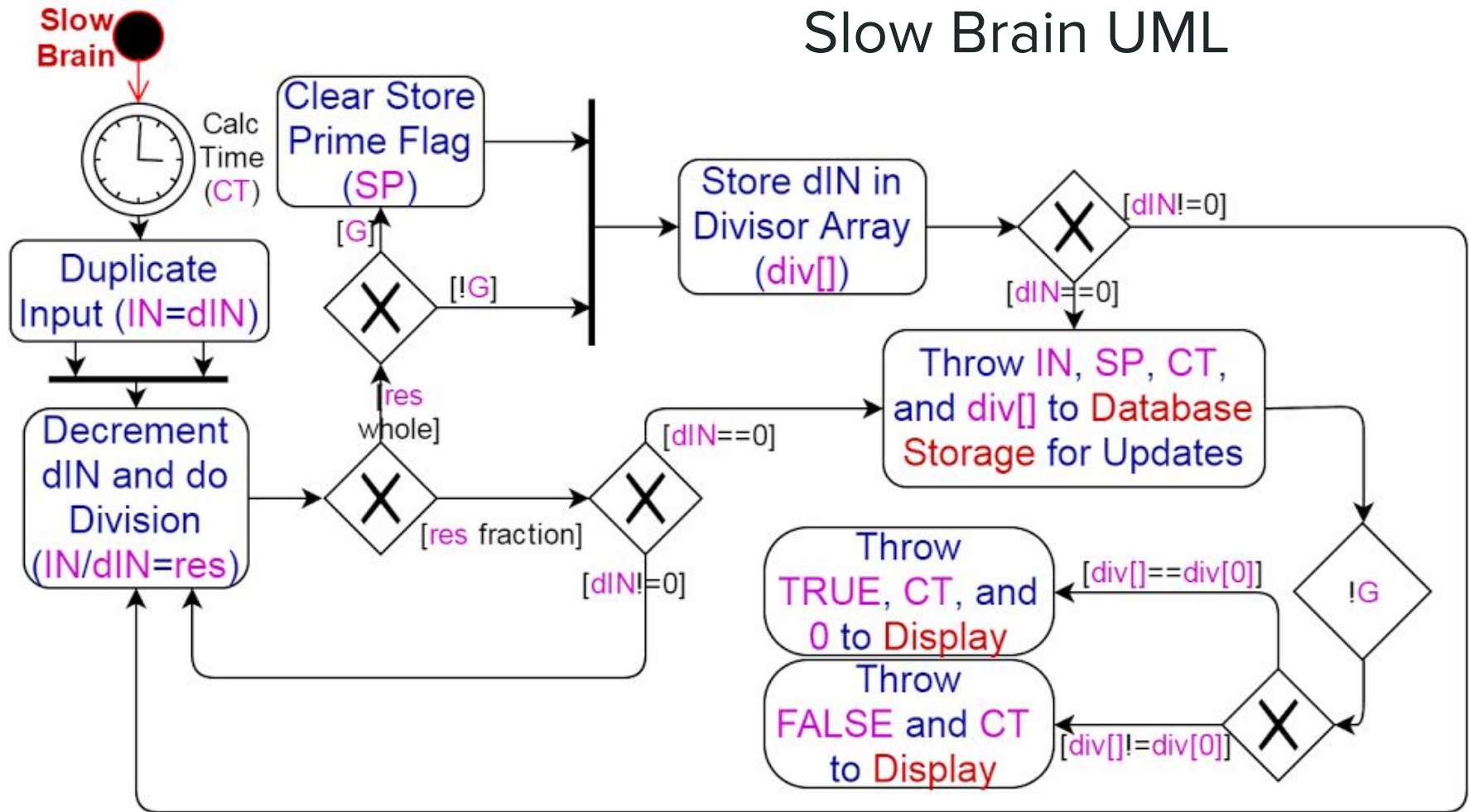
UML-Activity

Base

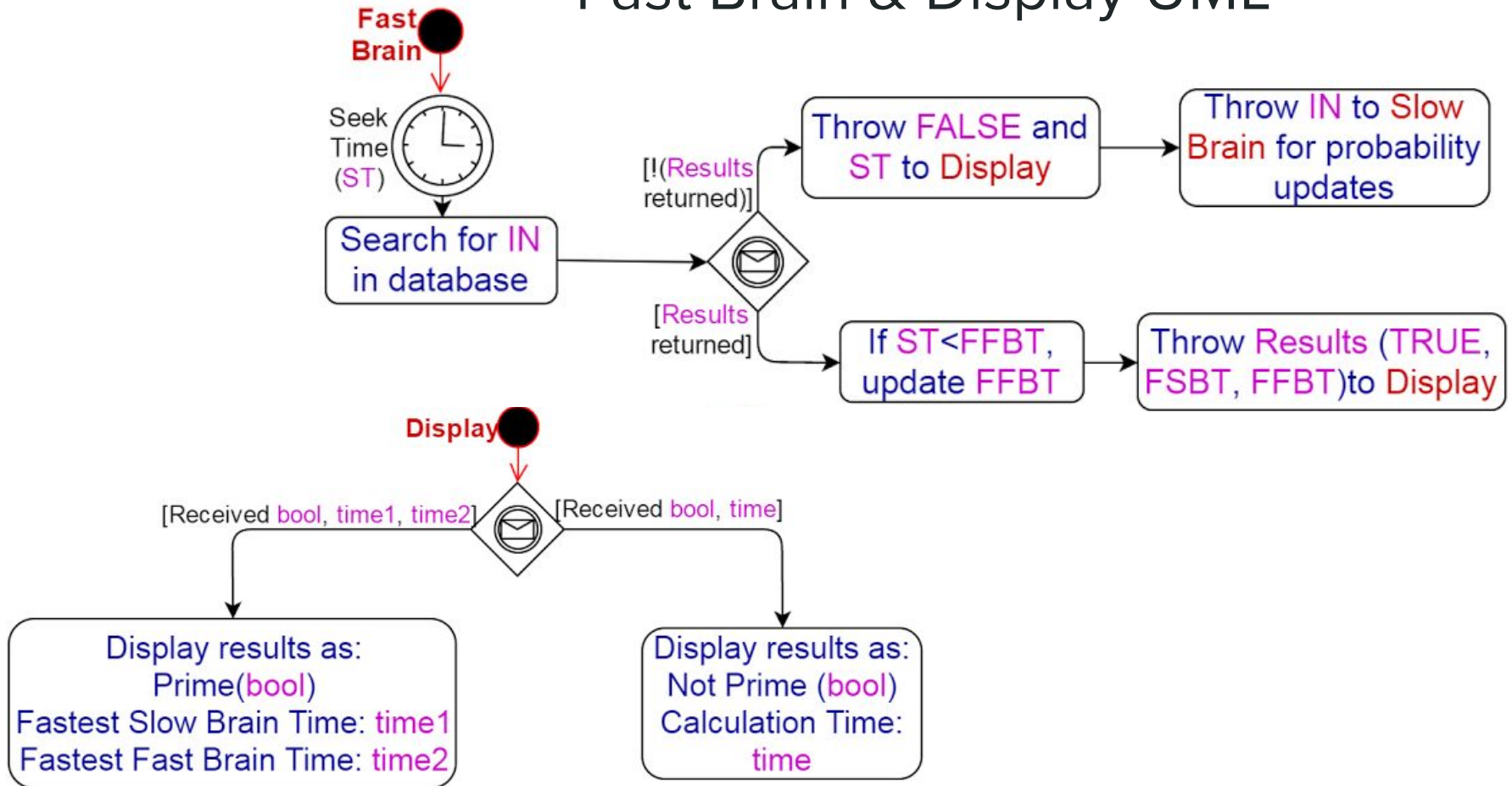
Diagram



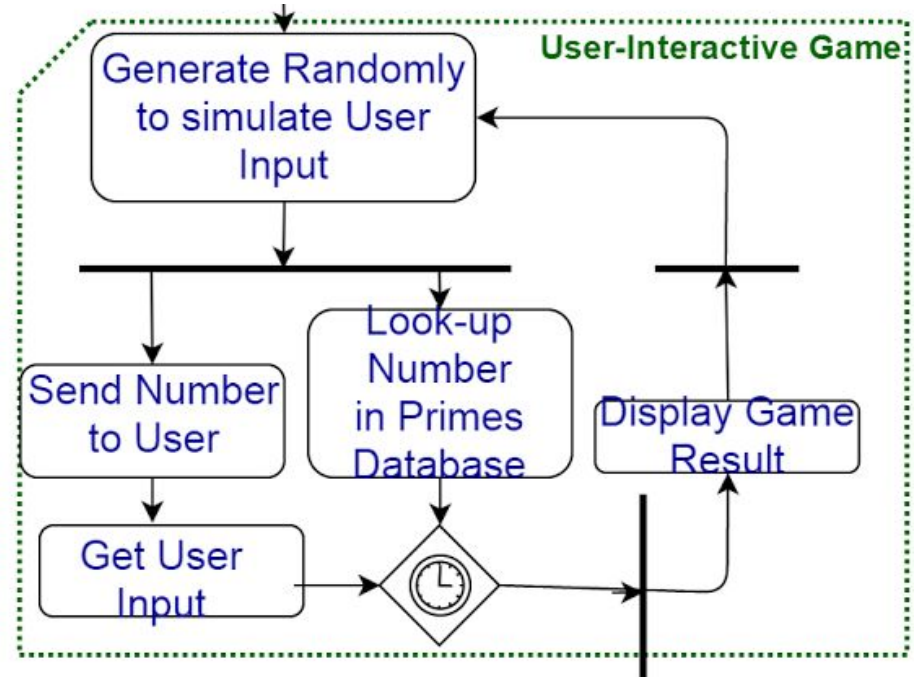
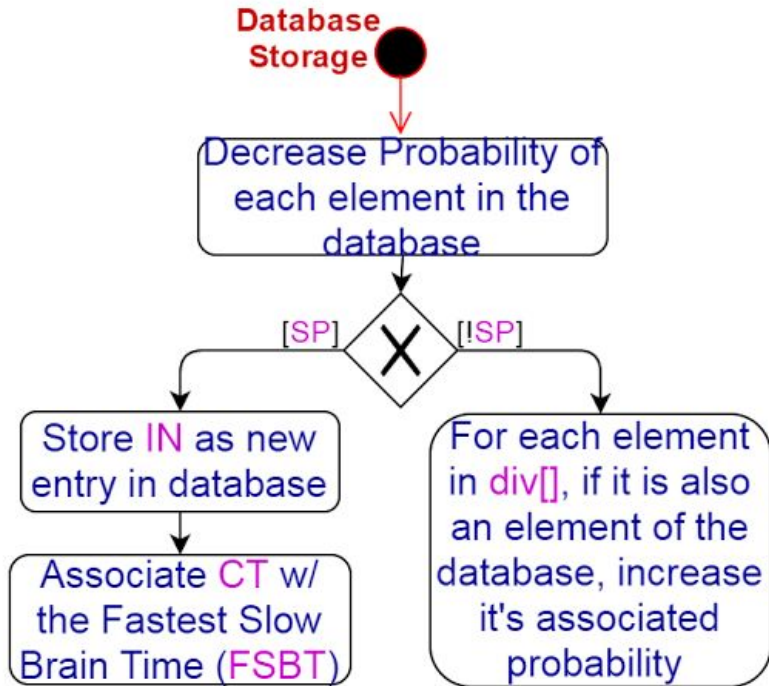
Slow Brain UML



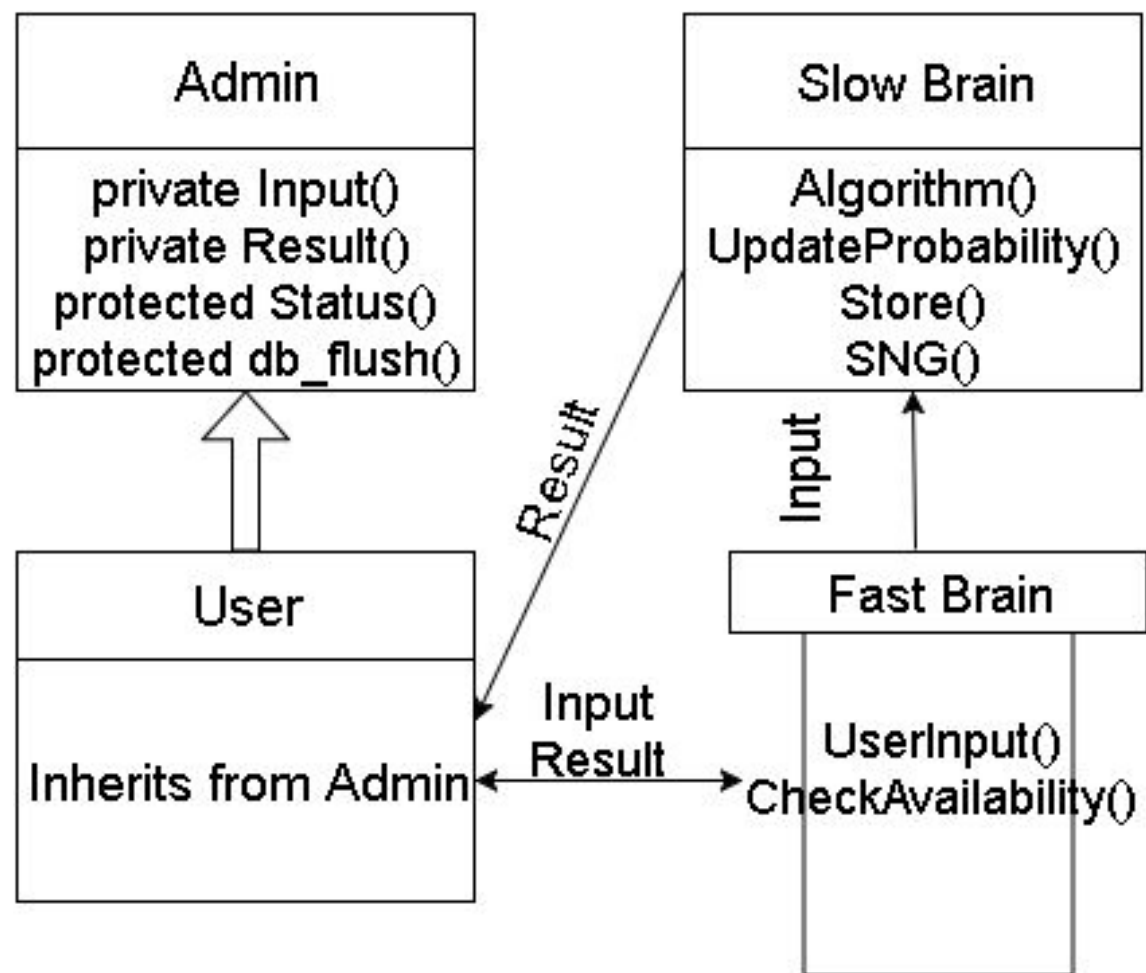
Fast Brain & Display UML



Storage and Game UML



Class Association



Architecture Design



Requirements Verification

- ❖ Database
- ❖ User Interface
 - Seek time testing
 - Pass fail testing



Schedule Overview

Task/Time	W1	W2	W3	W4	W5	W6	W7	W8	W9	W10
Organizing Group										
Project Planning										
Requirements										
Design										
PDR										
Project Developement										
Testing										
Panel Discussion										
Demo										

Schedule Overview (Project Development)

Task #	Project Developement	PreReq	W6	W7	W8	W 9
T1	Database	T6				
T2	Algorithm	T3				
T3	Number Generation					
T4	Probability	T3,T6				
T5	UI	All				
T6	Server	T3				

Cost Assessment = \$77,300.00

Risk Assessment

- ❖ Database Scalability
- ❖ Increasing search times
- ❖ Loss of data
- ❖ Missing Team Members



Questions?