**ASSIGNMENT I**

**BIT 302**

**Software Engineering**

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**Project Proposal**

**Covid Testing Information System (CTIS)**

**Prepared by:**

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Table of Contents

[Functional requirements 3](#_Toc66070031)

[Non – Functional Requirements 3](#_Toc66070032)

[Use Case Diagram 4](#_Toc66070033)

[Analysis Class Diagram 6](#_Toc66070034)

[Expanded Use Case 6](#_Toc66070035)

[System Sequence Diagram 7](#_Toc66070036)

[Contracts 7](#_Toc66070037)

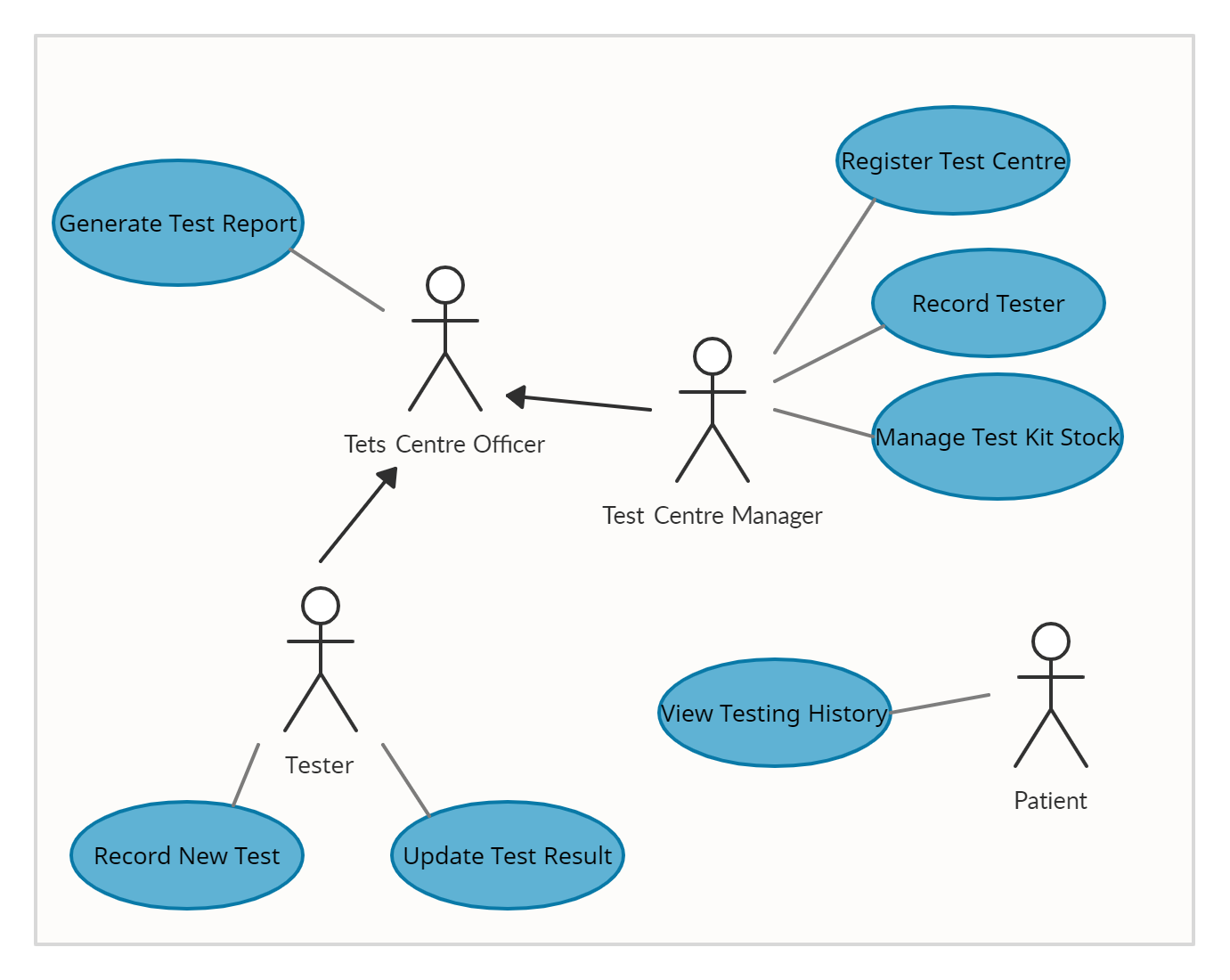
Functional requirements

Asasas

Non – Functional Requirements

Asasas

Use Case Diagram



Use Cases

|  |  |
| --- | --- |
| Use Case Name | Generate Test Report |
| Actor | Test Centre Officer |
| Description |  |

|  |  |
| --- | --- |
| Use Case Name | Record New Test |
| Actor | Tester |
| Description |  |

|  |  |
| --- | --- |
| Use Case Name | Update Test Result |
| Actor | Tester |
| Description |  |

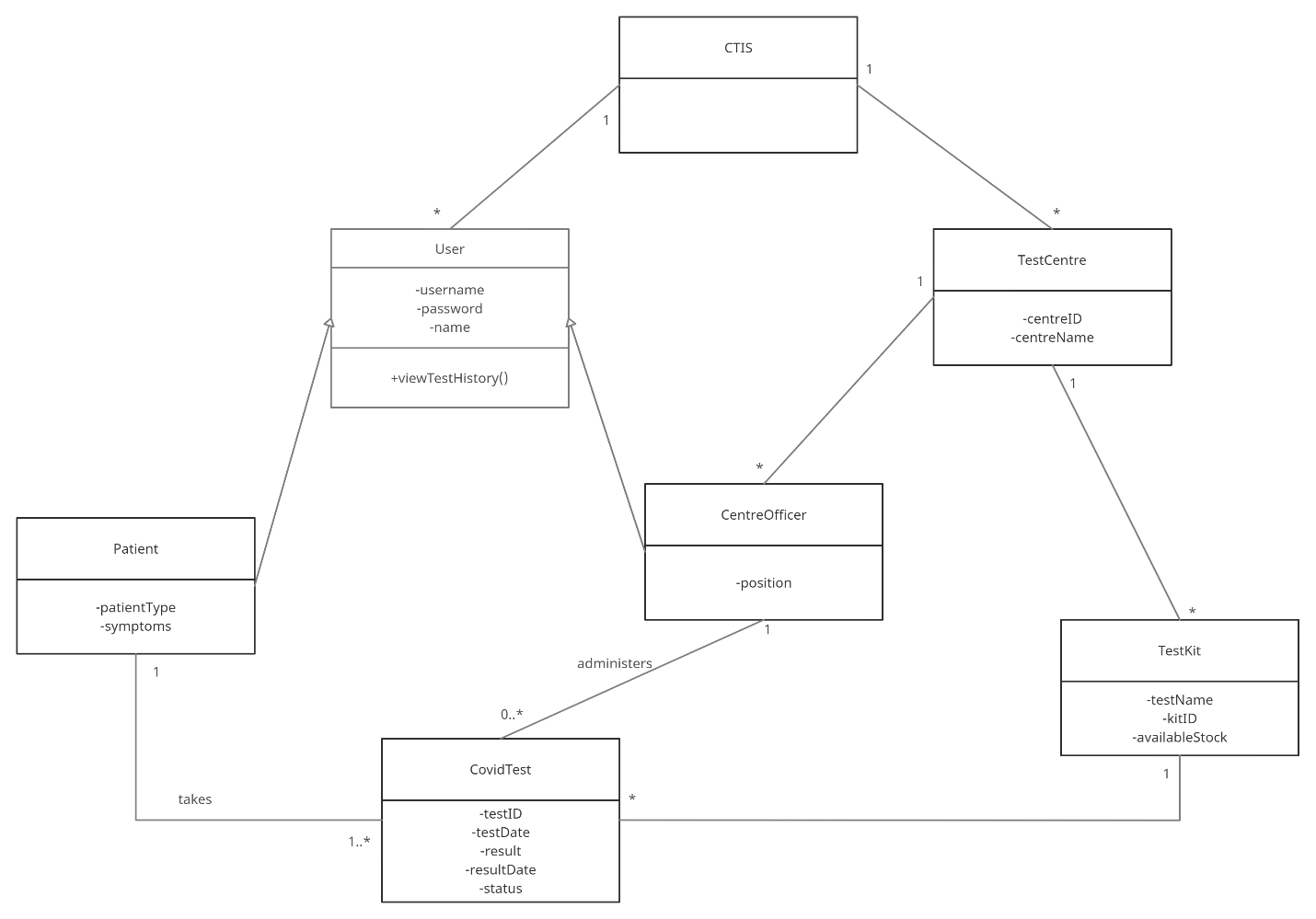
|  |  |
| --- | --- |
| Use Case Name | Register Test Centre |
| Actor | Test Centre Manager |
| Description |  |

|  |  |
| --- | --- |
| Use Case Name | Record Tester |
| Actor | Test Centre Manager |
| Description |  |

|  |  |
| --- | --- |
| Use Case Name | Manage Test Kit Stock |
| Actor | Test Centre Manager |
| Description |  |

|  |  |
| --- | --- |
| Use Case Name | View Testing History |
| Actor | Patient |
| Description |  |

Analysis Class Diagram



Expanded Use Case

|  |  |
| --- | --- |
| **Use Case 1** |  |
| **Goal in Context** |  |
| **Primary Actor**  **Secondary Actor** |  |
| **Trigger** |  |
| **Typical Course of Events Actor Action** | **System Response** |
|  |  |
|  |  |
| **Alternative Course of Events**  **Line \*:** | |

System Sequence Diagram

Contracts

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