**SEQUENCE DIAGRAMS**

Tutor Application

Hannah Yelle, Chase Pisone, Klei Bendo, Calvin Mueller, Hunter McDaniels-Rossiter

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**Design Diagrams:**

Send Chat Message

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Subject | Action/message | Other objects/data | Object acted |
| 1) | User | selects | Send message | PM portal |
| 2) | PM portal | verifies | friendship | Other User: Profile |
| 3) | If other user is a friend |
| 3.1.1) | PM portal | Delivers | message | Other User: Profile |
| 3.1.2) | PM portal | Updates | That message is delivered | User |
| 3.2) | else |
| 3.2.1) | PM portal | Send error message | Other user is not a friend | User |

Diagram

Description automatically generated

Log User In

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Subject | Action/message | Other objects/data | Object acted |
| 1) | User | submits | Username and password | Login GUI |
| 2) | Login GUI | Verifies | Username and Password | database |
| 3) | If verified: |
| 3.1.1) | Login GUI | Sets login | true | Home Screen UI |
| 3.2) | else |
| 3.2.1( | Login GUI | sends | Error msg | User |

Diagram

Description automatically generated

Create User Profile

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Subject | Action/message | Other objects/data | Object acted |
| 1) | User | Requests to make | profile | User Profile |
| 2) | User Profile | Requests | Profile information | User |
| 3) | User Profile | Saves | Profile information | database |
| 4) | User Profile | Sends | Confirmation msg | User |

Chart, box and whisker chart

Description automatically generated

Tutor Search

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Subject | Action/message | Other objects/data | Object acted |
| 1) | User | searches | Tutor, specific attributes | Tutor Finder |
| 2) | Tutor Finder | Requests Query | Specific attributes | database |
| 3) | Data Base | Sends query | tutors | Tutor Finder |
| 4) | Tutor Finder | Sends | List of tutors | User |

Chart, box and whisker chart

Description automatically generated