Peer to Peer Messaging App Evaluation

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# Testing

## Testing Table

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Test | Description | Expected result | Actual result | Success | Fix (If applicable) | Tester | Date |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |

### Summary

## Usability testing

|  |  |  |
| --- | --- | --- |
| Tester | Observer | Notes |
|  |  |  |

### Summary

# Evaluation criteria

|  |  |  |  |
| --- | --- | --- | --- |
| Criteria | Description | Achieved | Explanation |
| Minimal loading times when switching between screens (Cuffe, Peer to Peer Messaging App Evaluation Criteria and UI Mockup, 2024) |  |  |  |
| Timely delivery of messages received less than 1 day after sent (Cuffe, Peer to Peer Messaging App Evaluation Criteria and UI Mockup, 2024) |  |  |  |
| Zero cost for the life time of the product on both the user and developer ends (Cuffe, Peer to Peer Messaging App Evaluation Criteria and UI Mockup, 2024) |  |  |  |
| Takes less than half an hour to learn the user interface. (Cuffe, Peer to Peer Messaging App Evaluation Criteria and UI Mockup, 2024) |  |  |  |
| No evident major security flaws (Cuffe, Peer to Peer Messaging App Evaluation Criteria and UI Mockup, 2024) |  |  |  |
| Less than five minor security flaws (Cuffe, Peer to Peer Messaging App Evaluation Criteria and UI Mockup, 2024) |  |  |  |
| Less than two software failures per 24 hours of use. (Cuffe, Peer to Peer Messaging App Evaluation Criteria and UI Mockup, 2024) |  |  |  |
| Can handle up to 100 users on one network with only minor performance losses (Cuffe, Peer to Peer Messaging App Evaluation Criteria and UI Mockup, 2024). |  | Untestable |  |
| Can send and receive at least 50 messages per hour (Cuffe, Peer to Peer Messaging App Evaluation Criteria and UI Mockup, 2024) |  |  |  |
| Validates the reason for contact on all teacher student communication (Cuffe, Peer to Peer Messaging App Evaluation Criteria and UI Mockup, 2024) |  |  |  |
| Moderators can view all messages on the network (Cuffe, Peer to Peer Messaging App Evaluation Criteria and UI Mockup, 2024) |  |  |  |

## Summary

# Functional requirements

|  |  |  |  |
| --- | --- | --- | --- |
| Criteria | Description | Achieved | Explanation |
| Send messages (Cuffe, Peer to Peer Messaging App Software Requirements Specification Document (SRS)., 2024) | A messaging app must by definition have the ability to send messages. (Cuffe, Peer to Peer Messaging App Software Requirements Specification Document (SRS)., 2024) |  |  |
| Receive messages (Cuffe, Peer to Peer Messaging App Software Requirements Specification Document (SRS)., 2024) | A messaging app must by definition have the ability to receive messages (Cuffe, Peer to Peer Messaging App Software Requirements Specification Document (SRS)., 2024) |  |  |
| Secure accounts (Cuffe, Peer to Peer Messaging App Software Requirements Specification Document (SRS)., 2024) | It was identified during the analysis that the user base values the security of their messaging platform over anything else. (Cuffe, Peer to Peer Messaging App Software Requirements Specification Document (SRS)., 2024) |  |  |
| End to End encryption (Cuffe, Peer to Peer Messaging App Software Requirements Specification Document (SRS)., 2024) | It was identified during the analysis that the user base places a large amount of value on the security of their messaging platform. (Cuffe, Peer to Peer Messaging App Software Requirements Specification Document (SRS)., 2024) |  |  |

## Summary

# Non-Functional requirements

|  |  |  |  |
| --- | --- | --- | --- |
| Criteria | Description | Achieved | Explanation |
| Intuitive graphic user interface (GUI) (Cuffe, Peer to Peer Messaging App Software Requirements Specification Document (SRS)., 2024) | During analysis it was identified that the user base values easy to use and intuitive user interface. (Cuffe, Peer to Peer Messaging App Software Requirements Specification Document (SRS)., 2024) |  |  |
| Low cost (Cuffe, Peer to Peer Messaging App Software Requirements Specification Document (SRS)., 2024) | During analysis it was identified that the final software solution being low cost was of extreme importance to the user base. (Cuffe, Peer to Peer Messaging App Software Requirements Specification Document (SRS)., 2024) |  |  |
| Message context validation (Cuffe, Peer to Peer Messaging App Software Requirements Specification Document (SRS)., 2024) | A system that insures all student teacher messaging is solely for educational purposes. This would likely take the shape of a “network overseer” who could monitor student-teacher communication. (Cuffe, Peer to Peer Messaging App Software Requirements Specification Document (SRS)., 2024) |  |  |
| Find correct teacher to communicate with (Cuffe, Peer to Peer Messaging App Software Requirements Specification Document (SRS)., 2024) | A search system that will allow students to easily find the correct teacher based on their communication needs (Cuffe, Peer to Peer Messaging App Software Requirements Specification Document (SRS)., 2024) |  |  |
| Add extra info to profile (Cuffe, Peer to Peer Messaging App Software Requirements Specification Document (SRS)., 2024) | The ability to have your profile display info other just name such as external contact info and user id (Cuffe, Peer to Peer Messaging App Software Requirements Specification Document (SRS)., 2024) |  |  |
| Network moderation (Cuffe, Peer to Peer Messaging App Software Requirements Specification Document (SRS)., 2024) | Accounts can be linked to a network moderator who can manage the accounts  Message logging (Cuffe, Peer to Peer Messaging App Software Requirements Specification Document (SRS)., 2024) |  |  |
| Account types (Cuffe, Peer to Peer Messaging App Software Requirements Specification Document (SRS)., 2024) | The ability for network moderators to create different types of accounts for example students and teacher account types(Cuffe, Peer to Peer Messaging App Software Requirements Specification Document (SRS)., 2024) |  |  |

## Summary

# Business requirements

|  |  |  |  |
| --- | --- | --- | --- |
| Criteria | Description | Achieved | Explanation |
| Timeliness | Completed on time without any delays. |  |  |
| Cost | Completed at or below budget. |  |  |

## Summary

# Bibliography

Cuffe, C. (2024). *Peer to Peer Messaging App Evaluation Criteria and UI Mockup.* Melbourne: None.

Cuffe, C. (2024). *Peer to Peer Messaging App Software Requirements Specification Document (SRS).* Melbourne: None.