Thoughts on Development of Android-Based Mibew Messenger

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Technologies

* Java (Android-Based)
* Android 4.0+
* PHP (backend)
* MySQL
* Javascript

Screens and flows

|  |  |  |
| --- | --- | --- |
| Index | Screen | User Action |
| 1 | Home | List of visitors waiting |
| 2 | Home - b | List of Active chats |
| 3 | Setup | Enter chat website |
| 4 | Setup - b | Enter user name and password |
| 5 | Chat | Individual chat |
| 6 | Settings | Logout operator, logout from chat service |
| 7 |  |  |
| 8 |  |  |

Code Modules

|  |  |  |
| --- | --- | --- |
| Index | Name | Function |
| 1 | Login | Use login API supported by chat website |
| 2 | Visitors Waiting | Maintain list of waiting visitors |
| 3 | Profile | Operator status –e.g Available, away, etc |
| 4 | Chat | Chat between operator and visitor. |
| 5 | Settings | * Change chat service * Change operator * Set availability schedule |
| 6 |  |  |
| 7 |  |  |

Programming Tasks

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| --- | --- | --- | --- | --- |
| Index | Name | Coverage | Estimated Effort | |
| 1 | Ramp-up | Familiar with   * Webim infrastructure | |  |
| 2 | Setup Dev environment | * Eclipse * Fork mibew from Github | |  |
| 3 | Design Mibew Mobile client Schema | * Operator profile, | |  |
| 4 | Code Login | * Confirm chat website * Operator Login * UI | |  |
| 5 | Code Visitors waiting | * UI to display list of visitors waiting and status | |  |
| 6 | Code Chat | * Query chat server to get list of new chats * Send operator chats to server * UI to display chat messages | |  |
| 7 | Settings | * UI to Control the various settings. | |  |

Server

The webim chat server is going to have a new web service that provides support needed by the chat service.

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| --- | --- | --- |
| Index | Module | Function |
| 1 | Login | Provide token-based login |
| 2 | Chat visitors | Provide list of awaiting visitors and status |
| 3 | Chat | Sync chats between server and app |
| 4 | Operator | Retrieve operator details, set operator status |
| 5 |  |  |
| 6 |  |  |
| 7 |  |  |
| 8 |  |  |