

CST438 Project Plan - Team MasterMind

1. Team Member Names:

James O'Dea

Babak Rezai

Caroline Lancaster

2. Project Title: **MasterMind Chat**

3. Brief Description of Project: **A chat app using webrtc from Google**

Team Processes

4. Describe what your team will do to prevent defects or catch defects early in the release. (Pair programming, design and code review meetings, continuous testing, Test Driven Development, other).

Our team will do team meetings to review when necessary. We will also be pair programming and collaborating with one another, as a team, on the project.

5. How will your team be organized and communicate? (email, daily hangout meetings, WIKI, chat, scrum master, project manager)

We currently use Google Hangouts and will continue to use it. We will also use a git repository, which will be through GitHub.

6. What programming language(s) and tools will you use?

Languages: Java

Tools: Eclipse, Android Studio, Apache Tomcat Servlet.

7. Requirements

The list of requirements will change during the project. But you need to start with an initial list. Given each requirement a number, keep track of when you added this requirement. Priority is one of: ESSENTIAL, HIGH, LOW. Don't forget about non-functional requirements and FURPS+

ID	Date added	Priority	Description
REQ1	11/10/15	2	The system shall support registering new users using external email and password. Upon successful registration, the system shall set up an account.
REQ2	11/10/15	3	System shall initiate call with selected user using secured and encrypted external peer-to-peer connections and message relay service.
REQ3	11/10/15	4	The system shall continuously gather time series call data (Call time, Caller, Recipient, number of messages sent)
REQ4	11/10/15	5	The system shall process call requests in the order they are received.
REQ5	10/11/15	1	The system shall implement Tomcat Servlets for signaling between users. The system shall implement a database to collect user and call statistics.

8. Plan for Iteration <Chose 1, 2, 3 or 4>

Find required software packages, and dependencies for implementation

9. List the requirements that you plan to deliver in this iteration. If a requirement is too big to deliver in one week, then divide it into small requirements and deliver part of it in this iteration.

Requirement ID	Programmer(s) working on requirement
REQ5	Babak, Caroline, James

REQ1	Babak, Caroline, James
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10. Do you see any issues or risks in the project?

Software compatibility on different platforms
Peer-to-peer data transfer capacity
System security from unauthorized access

11. For each requirement in question 13, write a scenario (UML diagram + text) or a user story.

ST-1 : As an authenticated user I can add or remove contacts from my contacts list.

ST-2: As an authenticated user I can login and logout of the application.

ST-3: As an authorized user I can generate reports for usage statistics.

ST-4: As an authenticated user makes calls have date, time and duration information logged.

Project Iteration 1 Report and Plan for Iteration 2

Iteration 1:

Our team downloaded the source code for WebRTC signaling service packages, and installed the following software on our local workstations: Eclipse, Android Studio, Apache Tomcat Servlet.

New/Changed Requirements: **NONE**

Problems/Issues: **NONE**

Next Iteration Plan:

Starting to work on the AWS Server instance configuration for WebRTC signaling server.