Meeting 4

In Attendance: Katie Moutafis, Caitlyn Landrum, Jahwaan Crews, Alberto Ceballos, Zach Kucharz, Steve Smith

On Voice Chat: Angelo Teoxon

Goals of Today’s meeting: Divide up into Teams

IOS Team:

Team Leader: Jahwaan Crews

Steve Smith

Katie Moutafis

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| Things you need to know |
| Swift |

Server Team:

Team Leader: Alberto Ceballos

Amber Spell

Angelo Teoxon

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| Things you need to know |
| Python  Web Development  Networking |

Android Team:

Team Leader: Jacob McCauley

Zach Kucharz

Caitlyn Landrum

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| Things you need to know |
| Kotlin  XML |

Server

* Sockets :
* Threading :
* SQL :
* Routing : [n, iD, Time ]

[n, <info> , Time]

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| Server : Thread |
| DBHelp : Database Helper |
| connect( )  disconnect( )  send( bytes )  receive( bytes ) |

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| DB |
| addTable( )  removeTable( ID ) |

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| Database Helper |
| databaseHelper( ) |
| cursor : connection |
| connect( )  disconnect( ) |

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| User DB : DBHelper |
| getUserID( Name )  getUserName( ID )  getUserInfo( ID )  getPassword( ID ) |

Encryption Algorithm Discussion

RSA vs AES256

RSA

* Flexible bits
* Variable length

AES

* Most secure
* Fixed length

Bit length is going to need to be 1024, everything up to 512 including 512 has been broken, anything above 1024 has too much overhead.

Encrypt passwords going over the wire, decrypt on the other side, hash then compare, then throw away plain text password.

Big Dates

* Thursday Feb 28th ----- 5 min pitch
* March 4th ----- project implementation
* March 18th ------ Midterm
* Week of March 25th ---- Office visit number 2
* Week of April 22nd ------ Presentations