

Weekly Report (25th Jan 2022)

- 1) **Title:** Group 9 – Secure Hospital System.
- 2) Report prepared by Kiran Shanthappa (Deputy Leader) on 10AM 25th Jan 2022.
- 3) Report approved by Yash Bhokare (Leader) on 2PM 25th Jan 2022.
- 4) Report submitted by Yash Bhokare.

5) **List of Team Members:**

First Name	Last Name	Email Address	Attendance
Yash	Bhokare	ybhokare@asu.edu	In-Person
Kiran	Shanthappa	khshanth@asu.edu	Via Zoom (Quarantine due to sickness)
Anthony	Mac	amac3@asu.edu	In-Person
Rajesh	Badugula	rbadugul@asu.edu	Via Zoom (Quarantine due to close proximity with Covid positive person)
Shashank	Baradi	srbaradi@asu.edu	In-Person
Sai	Gadde	sgadde4@asu.edu	In-Person
Karan	Naik	knaik4@asu.edu	In-Person
Bhaskara	Atluri	batluri@asu.edu	In-Person
Jayanth	Gorinta	jgorinta@asu.edu	In-Person

6) **Tasks Summary:**

Task Number	Task Name	Members Involved	Task Status
1	Weekly progress - Requirement analysis through group discussion. Understanding	All group members	Completed

	each members technical expertise and preferences to work on the requirements.		
2	Design Database Schema and ER Diagram.	Anthony and Manoj	Ongoing
3	Understanding Hyperledger blockchain and design its integration into SHS design.	Kiran	Ongoing
4	Wireframe design for all pages	Karan and Rajesh	Ongoing
5	Research for secure login	Yash	Ongoing
6	Research on Malicious Login Detection and Prevention	Shashank and Jayant	Ongoing
7	Research and design of insurance claim	Bhaskara	Ongoing
8	Design permissions for user groups as part of the security design to allow edit, delete and view.	Anthony and Manoj	Not Started
9	Finding use cases of the insurance claim request, approval/denial, and transfer insurance amount to patient account.	Kiran and Bhaskara	Not Started
10	Research on 2-factor authentication and secure login method.	Karan, Bhaskara and Yash	Not Started
11	Generate SQL tables and their respective attributes.	Anthony	Not Started
12	Building logic to securely authenticate the OTP's sent by the server/third party API.	Shashank	Not Started
13	Implementation of session management	Rajesh	Not Started
14	Integration of API for client-server communication.	Shashank and Rajesh	Not Started
15	Checking for Performance testing tools.	Yash and Kiran	Not Started

16	Design Documentation	Kiran, Yash and Rajesh	Not Started
17	Setup local instance of Hyperledger blockchain.	Kiran and Jayanth	Not Started
18	Implement Payment Process Configuration	Jayanth	Not Started
19	Developing the security aspects – hashing, masking and user group permission.	Manoja	Not Started
20	Building API calls for data fetching/storing from/to database, and database integration	Shashank and Rajesh	Not Started
21	Functionality Testing	Manoja, Anthony, Bhaskara	Not Started
22	Security Testing	Kiran and Jayanth	Not Started
23	Integration Testing	Karan, Yash and Rajesh	Not Started
24	Bug Fix	All members	Not Started
25	Host the database part on cloud	Anthony and Manoja	Not Started
26	Host website over cloud	Yash	Not Started
27	Hosting Hyperledger on cloud.	Kiran	Not Started
28	End-to-End System Testing with performance monitoring.	All members	Not Started
29	Project Documentation	Kiran, Yash and Rajesh	Not Started
30	Project Demo	Yash and Kiran	Not Started

7) Task Progress:

[To be updated when project tasks are completed]

8) Gantt Chart

Link to the Gantt chart -

<https://online.officetimeline.com/shareable-link?token=aR7lZNq0J%2bU7hoiYIUhecyJA2OtWPWnl8kcoAhJE1lGeylTHdKmv872lZKcKtRmqOkZtXoh0S2N4bNI4do%2fF3C%2b00JzpNLred6Pi0YtwwYheUK0%2fzTVIRccjFmTTspBV>

9) Issues:

10) Workflow Diagram :

