Product Overview

The Letter of Life is a paper form that provides responders with a list of important medical information regarding the patient in need. This form should be completed by patient and placed inside the residence at a location easily accessible by EMS personnel.

The objective of the project is to develop an interoperable electronic Letter of Life system that will exchange information through the interdisciplinary Emergency Medical Services (EMS), allowing information to be updated and viewed simultaneously by various authorized end users.

The goal is to improve emergency patient care at remote location in which the traditional Letter of Life information is not readily available. Additionally, it will provide flexible accessibility to patients to continuously update their medical information.

Team Members

|  |  |  |
| --- | --- | --- |
| Name | Role | Contact Information |
| Sefanit Urgessa (Sofy) | Project Manager | UI/UX Developer | [sefanit.urgessa@gmail.com](mailto:sefanit.urgessa@gmail.com) |
| Mohammed Allibalogun | Project Manager | Backend Developer | [mohammed.allibalogun@gmail.com](mailto:mohammed.allibalogun@gmail.com) |
| Rob Garcia | Product Owner | Backend Developer | [rgarcia92@student.umuc.edu](mailto:rgarcia92@student.umuc.edu) |
| Meron Getachew | Documentation Champion | [mgetachew15@gmail.com](mailto:mgetachew15@gmail.com) |
| Charles Baisie | Security | UI/UX Developer | [cbaisie@student.umgc.edu](mailto:cbaisie@student.umgc.edu) |
| Augustin Mwamba | Database Developer | [augim90@gmail.com](mailto:augim90@gmail.com) |
| Jamal Bourne | UI/UX Developer | [emiel456@gmail.com](mailto:emiel456@gmail.com) |

Project Build - Selections

* ***Project Management Style -* Agile Hybrid Project Management**
  + Sprints will be on weekly basis (based on our meeting times)
* ***Product Name & Team Name***
  + Virtual Letter of life / EMSPlus Team
* ***Language & Database choices***
  + PHP
  + HTML
  + CSS
  + Bootstrap
  + JavaScript
  + MS SQL

Product Build – To Do

* ***Website Screens***
  + Landing Page
  + About Page
  + Public Contact Page
  + Login Page
  + User Listing Page (with Search)
  + User  Scan Page
  + User  Add Page
  + User  View Page
  + User  Edit Page
  + User  Delete Page
  + Short Form Print Page
  + Secure Contact Page
  + Admin Listing Page (with Search)
  + Admin Add Page
  + Admin View Page
  + Admin Edit Page
  + Admin Delete Page
  + Error Log Page
  + Activity Log Page
* ***Website accessibility based on role***
  + User = Responder
    - Read only Access – un-editable view
  + User = Patient
    - Read/Write access – Editable view (or Empty if it’s new user)
  + User = Admin
    - Read/Write access (with security + audit → to limit entry of incorrect information - intentional or unintentional)
* ***Database*** 
  + Data Entry Table/s
  + Admin audit table
  + Questionnaire tables for web form
  + User Role Definition Table/s
  + User Access Table/s
  + Data Push/Pull Procedures
* ***Security*** 
  + Eventually – Must comply with currently existing security (work with Bill/Rob)
    - Network
    - Servers
  + Currently – mimic the existing security within our project scope
* ***Hosting***
  + Eventually – Must comply with currently existing setup (work with Bill/Rob)
    - Web server/Application server
    - Database server
  + Currently – mimic the existing setup within our project scope
    - Web server/Application server – Rob to provide info
    - Database server – Rob to provide info
* ***Deployment***
  + Eventually – integrate with the existing system – work with Bill/Rob
  + Currently – mimic the existing setup within our project scope
    - Rob to provide info

Deliverables & Responsible Personnel

|  |  |  |
| --- | --- | --- |
| Deliverables | Resp. Personnel | Type |
| Project Plan | Sofy & Mohammed | Document |
| Programmer Guide | Sofy & Mohammed | Document |
| SRS – Use Case Document | Meron Getachew | Document |
| Technical Design Document | Rob/Jamal/Augustin | Document |
| System & Database Diagram | Augustin Mwamba | Document |
| Software Test Plan | Mohammed/Rob | Document |
| Deployment and Operations Guide (Runbook) | Charles Baisie | Document |
| User Guide | Meron Getachew | Document |
| Test Report | Mohammed/Rob | Document |
| Software build - UI | Jamal Bourne/Charles/Sofy | Code/product |
| Software build - Backend | Rob Garcia/ Mohammed | Code/product |
| Database Build | Augustin Mwamba | Code/product |
| Presentation | Sofy & Mohammed | Document/Product |
| Sprint Meetings | Sofy & Mohammed | Meeting |
| Client/Team Meeting | Rob | Meeting |
| Advisor/Team Meeting | Sofy & Mohammed | Meeting |
| Document/Assignment submission | Sofy & Mohammed | Document/Product |
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Deliverables & Milestone Due Dates

|  |  |  |
| --- | --- | --- |
| Milestone | Due Date | Deliverables |
| 1 | 06/9/2020 | * Project Plan * SRS – Use Case |
| 2 | 06/30/2020 | * Technical Design Document   + *Will include System & Database Diagrams* * Modified Project Plan   + Will include Software Test Plan * Any additional documents defined in project plan * Presentation |
| 3 | 07/21/2020 | * Programmer Guide - guide future programmers working on the software we developed * Deployment and Operations Guide (Runbook) * Any additional documents defined in project plan |
| 4 | 08/04/2020 | * All updated documents submitted in prior milestones * Finished working Software * User Guide * Test Report * Presentation |