Project Design Phase-II

**Data Flow Diagram & User Stories**

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| Date | 13 October 2022 |
| Team ID | PNT2022TMID30503 |
| Project Name | Classification of Arrhythmia by Using Deep Learning with 2-D ECG Spectral Image Representation |

# Data Flow Diagrams:

A Data Flow Diagram (DFD) is a traditional visual representation of the information flows within a system. A neat and clear DFD can depict the right amount of the system requirement graphically. It shows how data enters and leaves the system, what changes the information, and where data is stored.

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Registration

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New User Account Created

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ECG

Image

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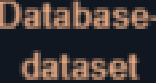
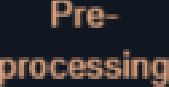
ECG Image Dala

Test Data

Train Data

Testing Sel Collection

Read the ECG image



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# User Stories

Use the below template to list all the user stories for the product.

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| **User Type** | **Functional**  **Requirement (Epic)** | **User Story**  **Number** | **User Story / Task** | **Acceptance criteria** | **Priority** | **Release** |
| Customer  (Mobile user) | Registration | USN-1 | As a mobile user, I can register for the application by entering my email,  password, and confirming my password. | I can register and access my account / dashboard with email and  password | High | Sprint-1 |
|  | Confirmation | USN-2 | As a mobile user, I will receive  confirmation email once I have registered for the application | I can receive  confirmation email & click confirm | High | Sprint-1 |
|  |  | USN-3 | As a mobile user, I can register for the application through Facebook | I can register & access the dashboard with  Facebook Login | Low | Sprint-2 |
|  |  | USN-4 | As a mobile user, I can register for the application through Gmail | I can register & access the dashboard with  Gmail | Medium | Sprint-1 |
|  | Login | USN-5 | As a mobile user, I can log into the  application by entering email & password | I can enter and Access the  dashboard with email and password | High | Sprint-1 |
|  | Dashboard | USN-6 | As a web user, I can laid out information  in grid format which makes it easy to see | I can see information  easily with dashboard | Low | Sprint-2 |
| Customer (Web user) | Registration | USN-1 | As a web user, I can register for the application by entering my email,  password, and confirming my password. | I can register and access my account / dashboard with email and password | High | Sprint-1 |

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| --- | --- | --- | --- | --- | --- | --- |
| **User Type** | **Functional**  **Requirement (Epic)** | **User Story**  **Number** | **User Story / Task** | **Acceptance criteria** | **Priority** | **Release** |
|  | Confirmation | USN-2 | As a web user, I will receive confirmation email once I have registered for the  application | I can receive  confirmation email & click confirm | High | Sprint-1 |
|  |  | USN-3 | As a web user, I can register for the application through Facebook | I can register & access  the dashboard with Facebook Login | Low | Sprint-2 |
|  |  | USN-4 | As a web user, I can register for the application through Gmail | I can register & access the dashboard with  Gmail | Medium | Sprint-1 |
|  | Login | USN-5 | As a web user, I can log into the  application by entering email & password | I can enter and Access the  dashboard with email and password | High | Sprint-1 |
|  | Dashboard | USN-6 | As a web user, I can laid out information in grid format which makes it easy to see | I can see information easily with dashboard | Low | Sprint-2 |
| Customer Care Executive | Login | USN-1 | As a Customer Care Executive, I can log into the application by entering email & password | I can enter and Access the  dashboard with email and password | High | Sprint-1 |
|  | Dashboard | USN-2 | As a Customer Care Executive, I can laid out information in grid format which  makes it easy to see | I can see information easily with dashboard | Low | Sprint-2 |
|  | Responsibilities | USN-3 | As a Customer Care Executive, I can manage a team of representatives offering customer support | I can manage and offer support for customer with a team of  representatives | High | Sprint-1 |
|  |  | USN-4 | As a Customer Care Executive, I can Resolve customer complaints brought to  attention | I can resolve customer complaints and bring to  attention | High | Sprint-1 |

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| **User Type** | **Functional**  **Requirement (Epic)** | **User Story**  **Number** | **User Story / Task** | **Acceptance criteria** | **Priority** | **Release** |
| Administrator | Login | USN-1 | As an Administrator, I can log into the  application by entering email & password | I can enter and Access the  dashboard with email and password | High | Sprint-1 |
|  | Dashboard | USN-2 | As an Administrator, I can laid out  information grid format which makes it easy to see | I can see information easily with dashboard | Low | Sprint-2 |
|  | Responsibilities | USN-3 | As an Administrator, I can review web content, links, and design; provides  necessary updates and enhancements in a timely manner | I can review and update content, provide updates on time | High | Sprint-1 |
|  |  | USN-4 | As an Administrator, I can implement appropriate security measures | I can implement  firewalls or message encryption for  appropriate security | High | Sprint-1 |
|  |  | USN-5 | As an Administrator, I can identify useful site performance metrics | I can track collect, track, record, compile,  analyze, and report site usage data | High | Sprint-1 |