PROJECT DESIGN PHASE-II

Data Flow Diagram & User Stories

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| --- | --- |
| Date | 03 October 2022 |
| Team ID | PNT2022TMID10584 |
| Project Name | Project – AI-powered Nutrition Analyzer for Fitness Enthusiasts |
| Maximum Marks | 4 Marks |

DATA FLOW DIAGRAMS:

Simplified Data Flow Diagram:

User

Image

processing

AI Algorithm

User view

Nutrition analysis

Results

Data Flow Diagram:



Split Dataset,

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| User  Dataset Preprocessing |  |  | Dropout La | ye | r |  |  |  |  |  |  |  | Nutrition  analysis | Results |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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|  |  |  |  |  |  |  |  |  |  |  |  |  | Compute |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Train Set |  |  | Maxpool La | ye | r |  |  | Connecte | d Laye | r | s |  | Accuracy |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Classifier Model  Validation set, Tes Testing  Set  Convolutional  Layer  Yes  Model Training Output  CNN Accepted  No | | | | | | | | | | | | | |  |

User Stories

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **User Type** | **Functional**  **Requirement (Epic)** | **User Story Number** | **User Story / Task** | **Acceptance criteria** | **Priority** | **Release** |
| Customer (Web user) | Upload | USN-1 | As a user, I can upload the image by gallery | I can uploaded the image | High | Sprit-1 |
| Customer (Web User) | Upload | USN-2 | As a user, I can upload the image by take image using camera | I can upload the image | Low | Sprit-2 |
| Customer (Web User) | Registration | USN-3 | As a user, I can register for the application by entering my email, password, and confirming  my password. | I can access my account | High | Sprit-1 |
| Customer (Web User) | Login | USN-4 | As a user, I can log into the application by entering email & password | I can access my account | High | Sprit-1 |
| Customer Care Executive | Enquiry/Customer services | USN-1 | As a customer care executive, I can get the feedback and make report | I can interact with user | Medium | Sprit-1 |
| Administrator | update | USN-1 | As a administrator, I can update the performance | I can update and give more functionality | Medium | Sprit-1 |
| Administrator | Add information | USN-2 | As a administrator, I can add some extra information about the services | I can improve the access | Low | Sprit-2 |
| Maintenance Team | Maintenance | USN-1 | As a member, maintain the any technical problems or the any other issues in the system | I can maintaining the services | High | Sprit-1 |