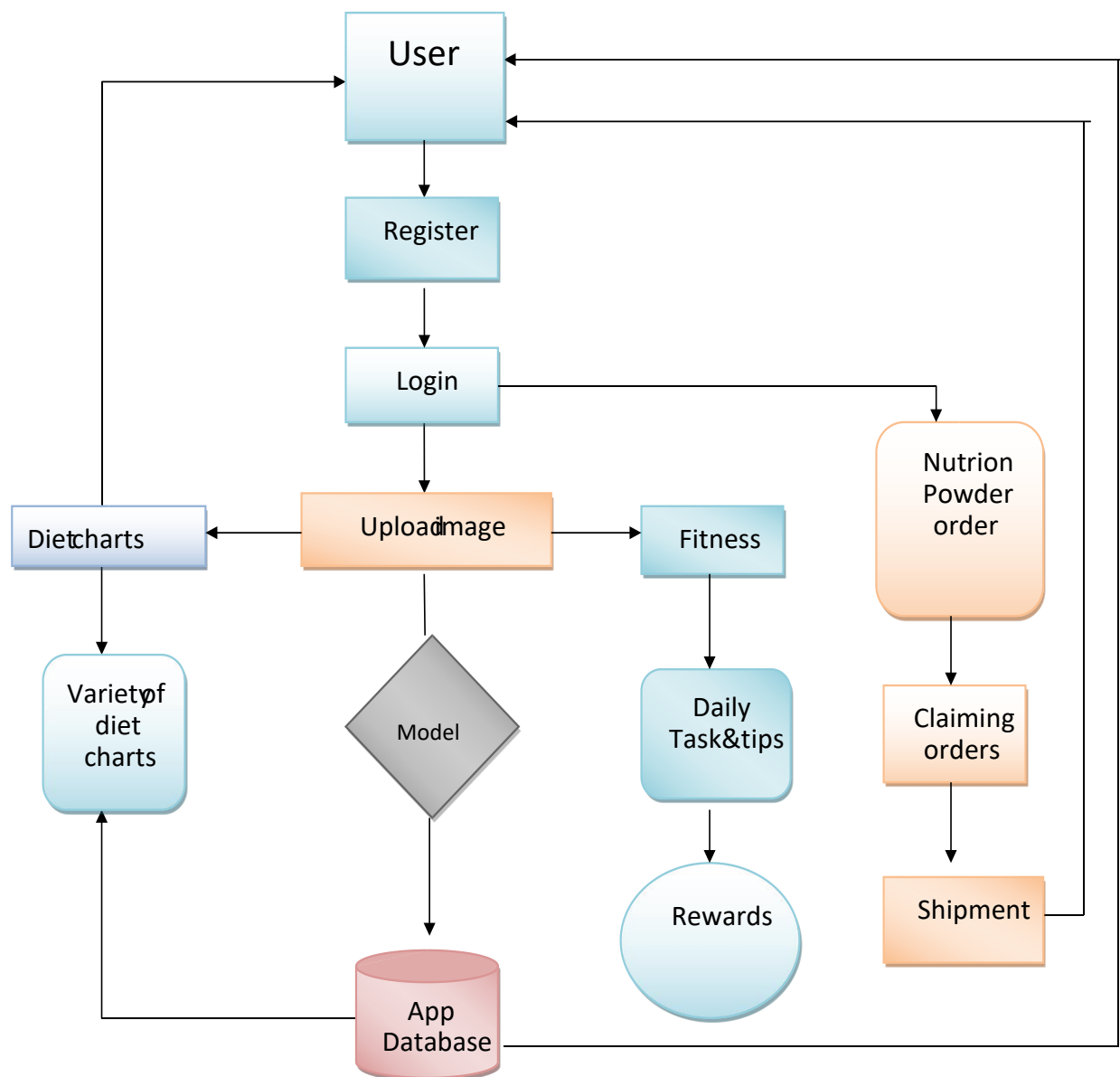


Project Design Phase-II

Data Flow Diagram & User Stories

| | |
|---------------|---|
| Date | 28 October 2022 |
| Team ID | PNT2022TMID33113 |
| Project Name | AI - powered Nutrition Analyzer for Fitness Enthusiasts |
| Maximum Marks | 4 Marks |

Data Flow Diagrams:



| User Type | Functional Requirement (Epic) | User Story Number | User Story / Task | Acceptance criteria | Priority | Release |
|-------------------------|-------------------------------|-------------------|---|---|----------|----------|
| Customer (Mobile user) | Registration | USN-1 | As a user, I can register for the application by entering my email, password, and confirming my password. | I can access my account / dashboard | High | Sprint-1 |
| | | USN-2 | As a 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 user, I can register for the application through Google. | I can register & access the dashboard with Google Login. | Low | Sprint-2 |
| | | USN-4 | As a user, I can register for the application through Gmail | | Medium | Sprint-1 |
| | Login | USN-5 | As a user, I can accept the terms and conditions. | | High | Sprint-1 |
| | Dashboard | | As a user, I can access any of the options available there. | | | |
| Customer (Web user) | | USN-1 | As a user, I can input any of the image of food in the upload field and waiting for the results. | I can access the upload field without any problem. | High | Sprint-1 |
| Customer Care Executive | Feature extraction | USN-1 | After the image is uploaded, I will get the results of the image. | As a user I will know the nutrients In the food. | High | Sprint-1 |
| Administrator | Prediction | USN-1 | Here the model will predict the image using deep learning algorithms Such as CNN. | In this I can have correct prediction on the particular algorithms. | High | Sprint-1 |
| | Classifier | USN-2 | Here I will send all the model outputs to classifier in order to produce final results. | In this I will find the correct answers for producing the results. | Medium | Sprint-2 |