

## Project Design Phase-II

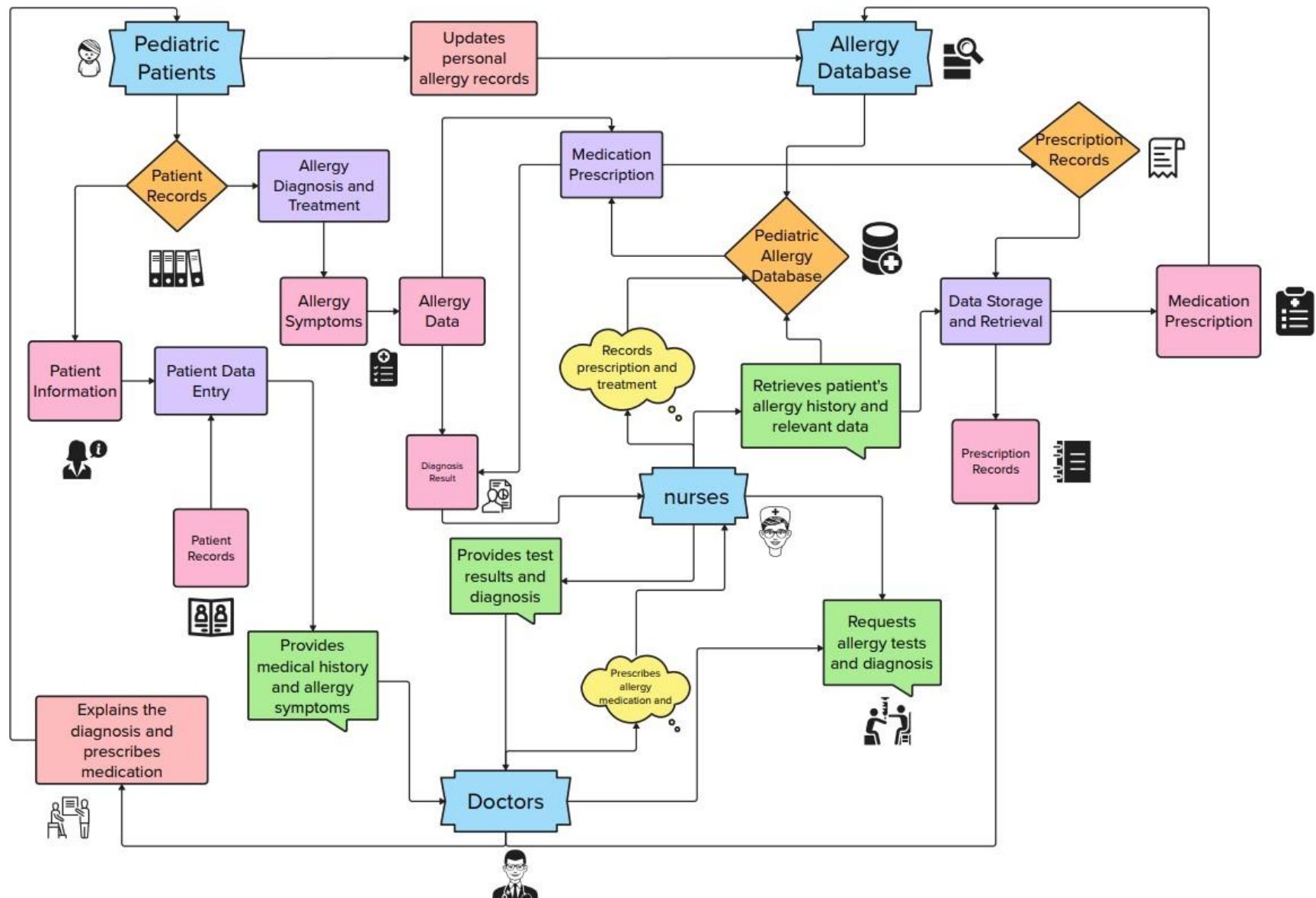
### Data Flow Diagram & User Stories

|               |                                                                                       |
|---------------|---------------------------------------------------------------------------------------|
| Date          | 21 October 2023                                                                       |
| Team ID       | Team-591276                                                                           |
| Project Name  | Pediatric Allergies Unveiled: A Tableau<br>Exploration of Prevalence and Demographics |
| Maximum Marks | 4 Marks                                                                               |

#### Data Flow Diagrams:

A classic visual depiction of the information flows inside a system is a data flow diagram (DFD). An orderly and transparent DFD can graphically represent the appropriate amount of system requirement. It displays the locations of data storage facilities, how data is changed, and how it enters and exits the system.

The "Pediatric Allergies Unveiled" project's data flow diagram (DFD) shows how information moves throughout the system. Data access, demographic analysis, and data contribution are only a few of the system activities with which external entities, such as researchers, healthcare professionals, administrators, and public users, engage. While data stores show where data is kept, including the project's database, data flows show how information moves between various organizations and activities. The DFD provides an illustration of the collection, processing, and



## User Stories

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

| User Type                         | Functional Requirement (Epic) | User Story Number | User Story / Task                                                                                                       | Acceptance criteria                                                                                                          | Priority | Release  |
|-----------------------------------|-------------------------------|-------------------|-------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|----------|----------|
| Researcher (Web User)             | Data Access                   | USR-1             | As a researcher, I can access the project's allergy prevalence and demographics data.                                   | I may sign on to the website, get information about allergies in children, and see pertinent representations.                | High     | Sprint-1 |
|                                   | Demographic Analysis          | USR-2             | As a researcher, I can analyze pediatric allergy prevalence by age group.                                               | I may see and filter allergy data according to age ranges to learn more about the prevalence rates in particular age ranges. | High     | Sprint-2 |
|                                   |                               | USR-3             | As a researcher, I can analyze pediatric allergy prevalence by geographic location.                                     | I may examine regional variations in allergy prevalence by filtering and visualizing the data.                               | Medium   | Sprint-3 |
| Healthcare Professional(Web User) | Allergy Trends                | USHP-1            | As a healthcare professional, I can access the platform to stay updated on current pediatric allergy prevalence trends. | After logging in, I can see visualizations showing the most recent information and trends about pediatric allergies.         | High     | Sprint-1 |
|                                   | Data Contribution             | USHP-2            | As a healthcare professional, I can contribute anonymized patient data to enhance the project's database.               | Knowing that patient data will be anonymized and used for research, I can upload and share it securely.                      | Medium   | Sprint-2 |

|                                   |                       |            |                                                                                                            |                                                                                                                       |        |          |
|-----------------------------------|-----------------------|------------|------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|--------|----------|
| Project Administrator             | User Management       | USAdmin-1  | As an administrator, I can manage useraccounts, including adding, updating, or disabling accounts.         | These user management tasks are within my reach with the proper authorization.                                        | High   | Sprint-1 |
| Public User (Web and Mobile User) | General Access        | USPublic-1 | As a public user, I can access basic allergy prevalence information without the need to create an account. | I don't need to log in to view public summaries and visualizations.                                                   | Low    | Sprint-1 |
|                                   | Reporting Data Errors | USPublic-2 | As a public user, I can report data errors or inaccuracies within the platform.                            | The platform makes it simple for me to submit reports, and it offers a procedure for checking and fixing data errors. | Medium | Sprint-2 |