Organizing the Fruit Shipment Data in a Relational Database:

To effectively manage the data for the fruit shipment application, a relational database is the best solution. Three tables will make up this database:

Fruit Table: This table will store information about the fruits, including the following columns: "Fruit_ID", "Fruit_Name", "Fruit_Color", "Fruit_Weight".

Location Table: This table will store information about the locations, including the following columns: "Location_ID", "Location_Name".

Shipment Table: This table will store information about the shipments, including the following columns: "Shipment_ID", "Fruit_ID", "Location_ID", "Quantity", "Shipment_Date".

Components for the Fruit Shipment Application User Interface:

To create a user-friendly interface for the fruit shipment application, the following components will be used:

Database Connection Component: This component will handle the connection to the database.

Fruit Component: This component will manage the operations related to the Fruit Table, such as adding, updating, and retrieving data.

Location Component: This component will manage the operations related to the Location Table, such as adding, updating, and retrieving data.

Shipment Component: This component will manage the operations related to the Shipment Table, such as adding, updating, and retrieving data.

User Interface Component: This component will display the data on the web page and allow the user to interact with the application through forms and buttons.