

DESIGN DOCUMENT

FOR

IMMERSIVE HUMAN DIGESTIVE TOUR VR APPLICATION

Group-12

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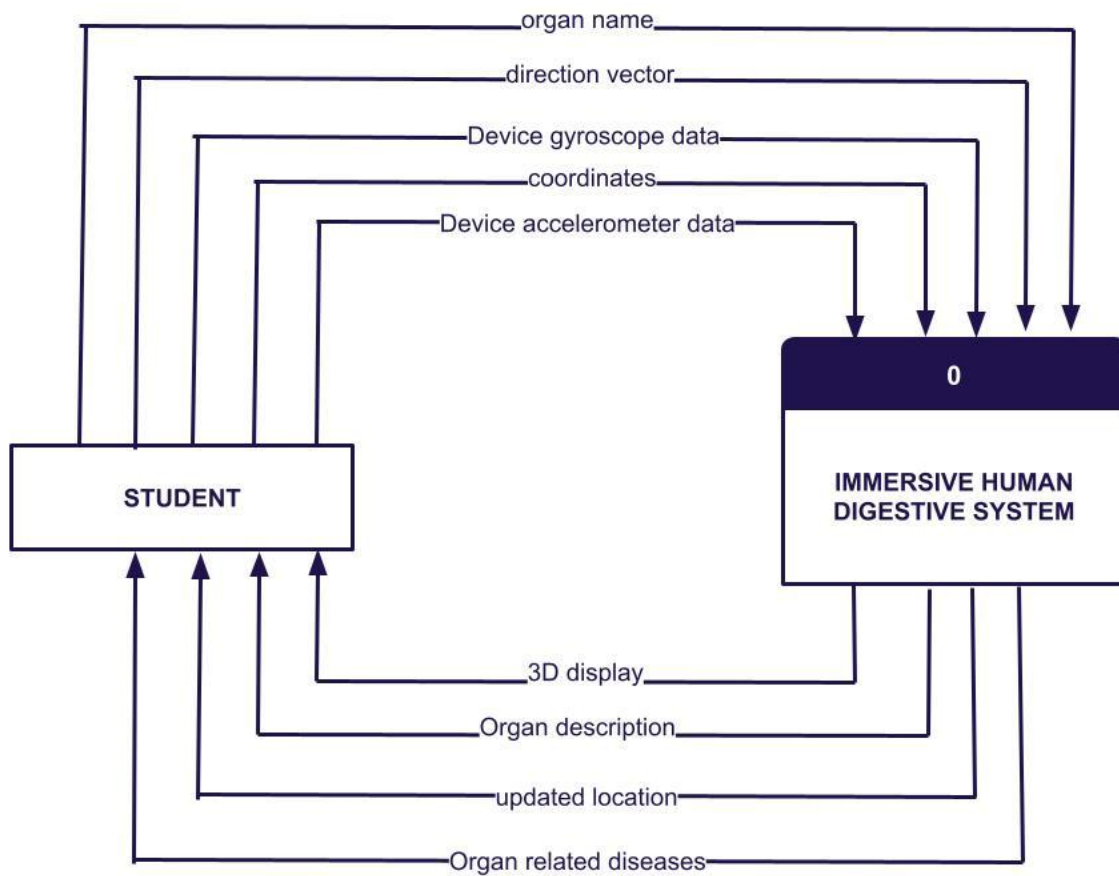
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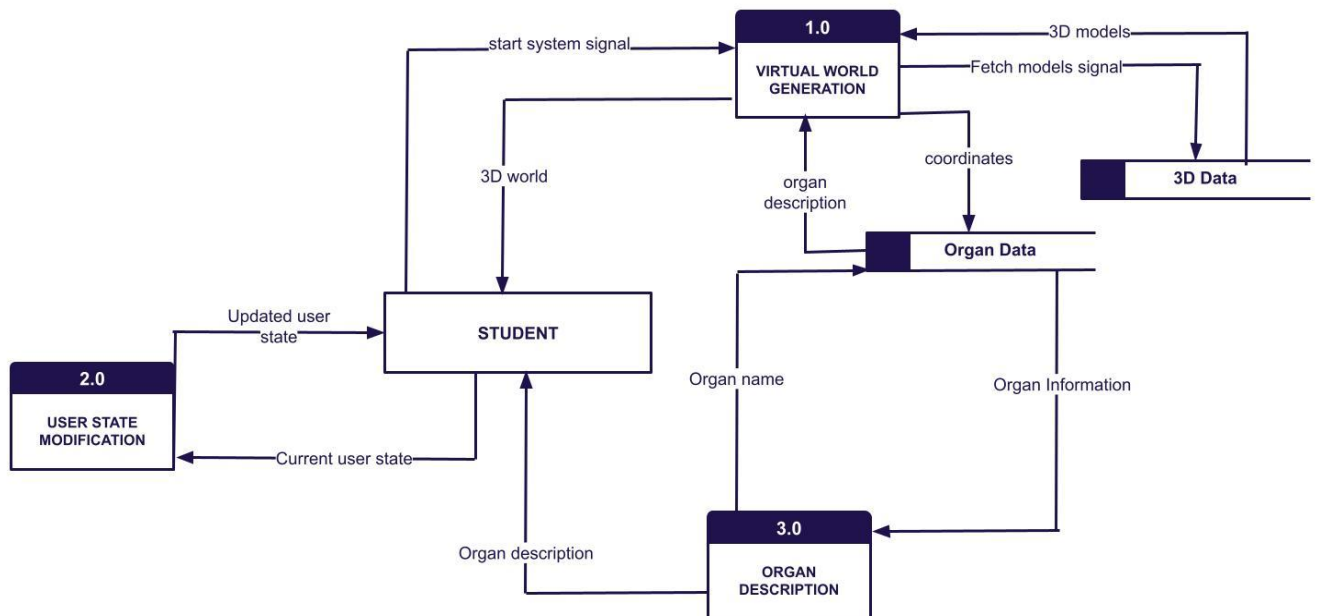
Following data flow diagrams represent all the system components as well as the flow of data throughout the system :

LEVEL 0: CONTEXT DIAGRAM



There is only one user i.e. student, and all the inputs coming from the user and outputs coming from the system are shown.

LEVEL 1: DFD



The whole system is divided into three separate modules :

- Virtual World Generation
- User State Modification
- Organ Description

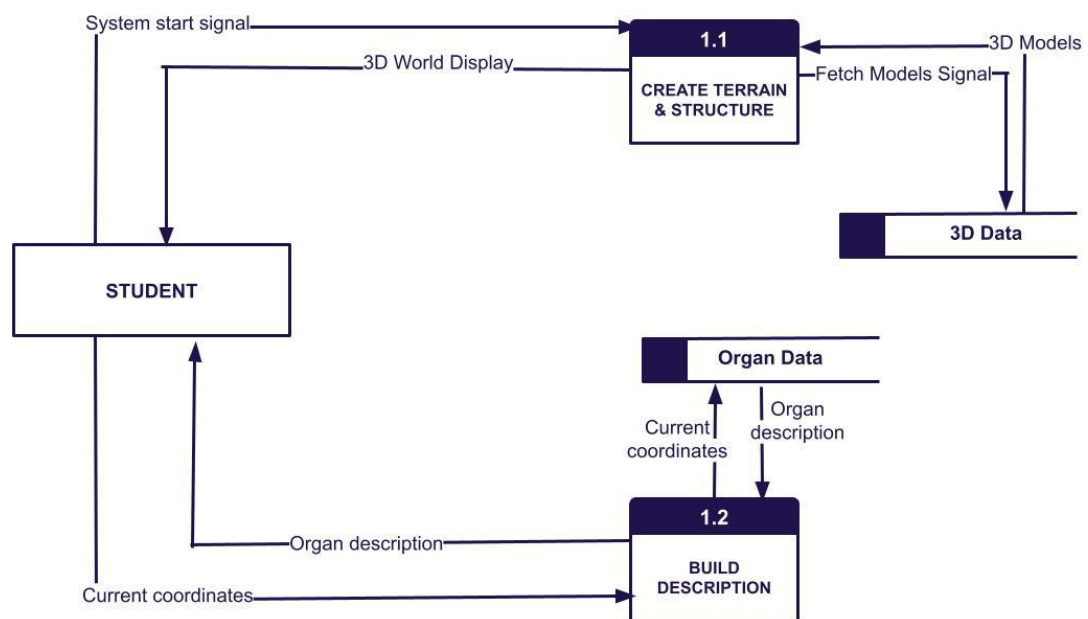
There are two data stores used by these modules :

- 3D data: Containing all the 3D models of organs that are to be placed in the virtual world.
- Organ data: All information related to organs are stored here.

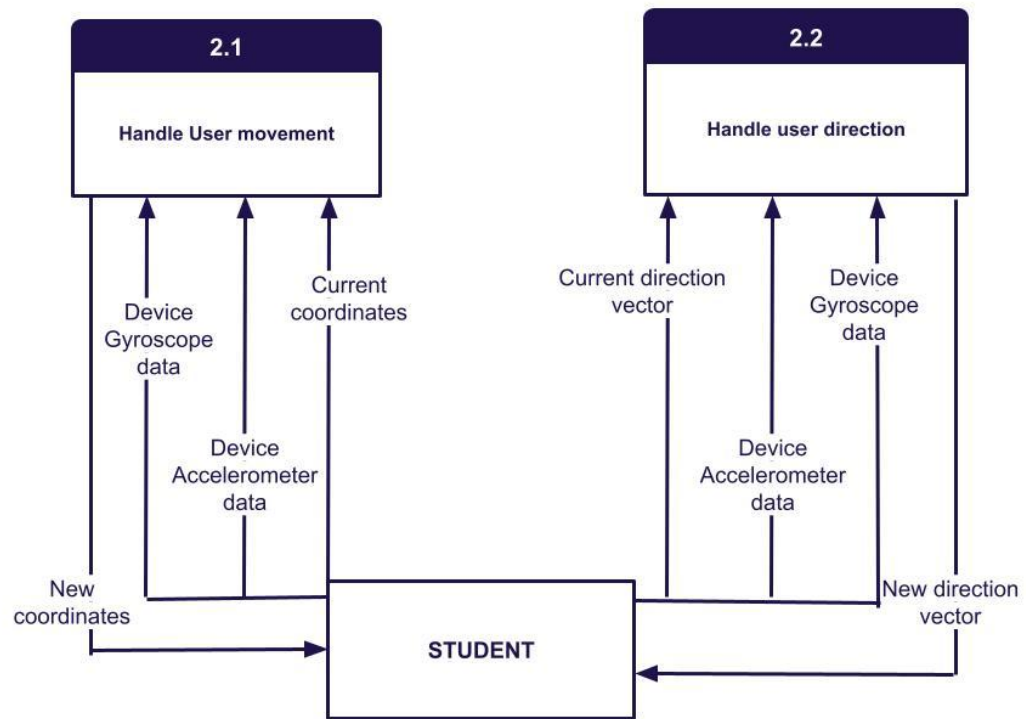
LEVEL 2: DFD

Further detailed flow of data within the individual modules is shown here in level two data flow diagrams.

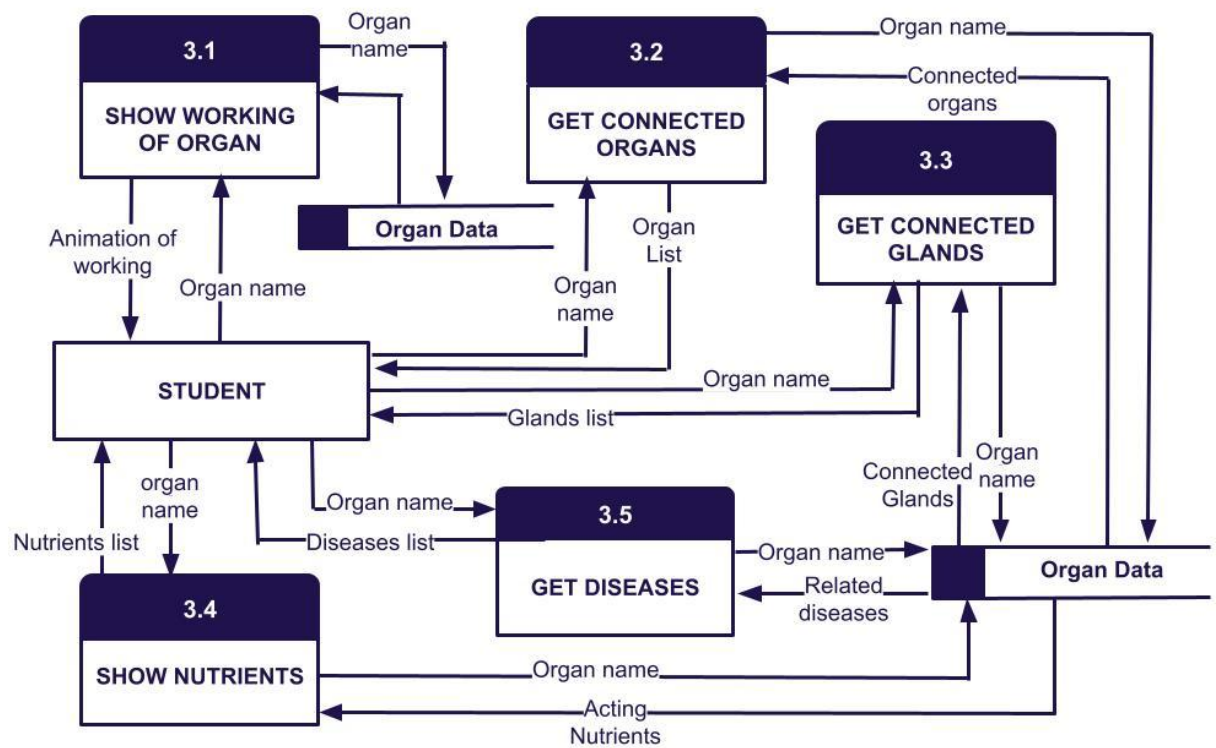
LEVEL 2.1 -



LEVEL 2.2 -



LEVEL 2.3 -



ER DIAGRAM:

A compact ER diagram for the two databases used in our system, namely 3D data and organ data, is shown -

