**DESIGN DOCUMENT**

FOR

**IMMERSIVE HUMAN DIGESTIVE TOUR VR APPLICATION**

**Group-12**

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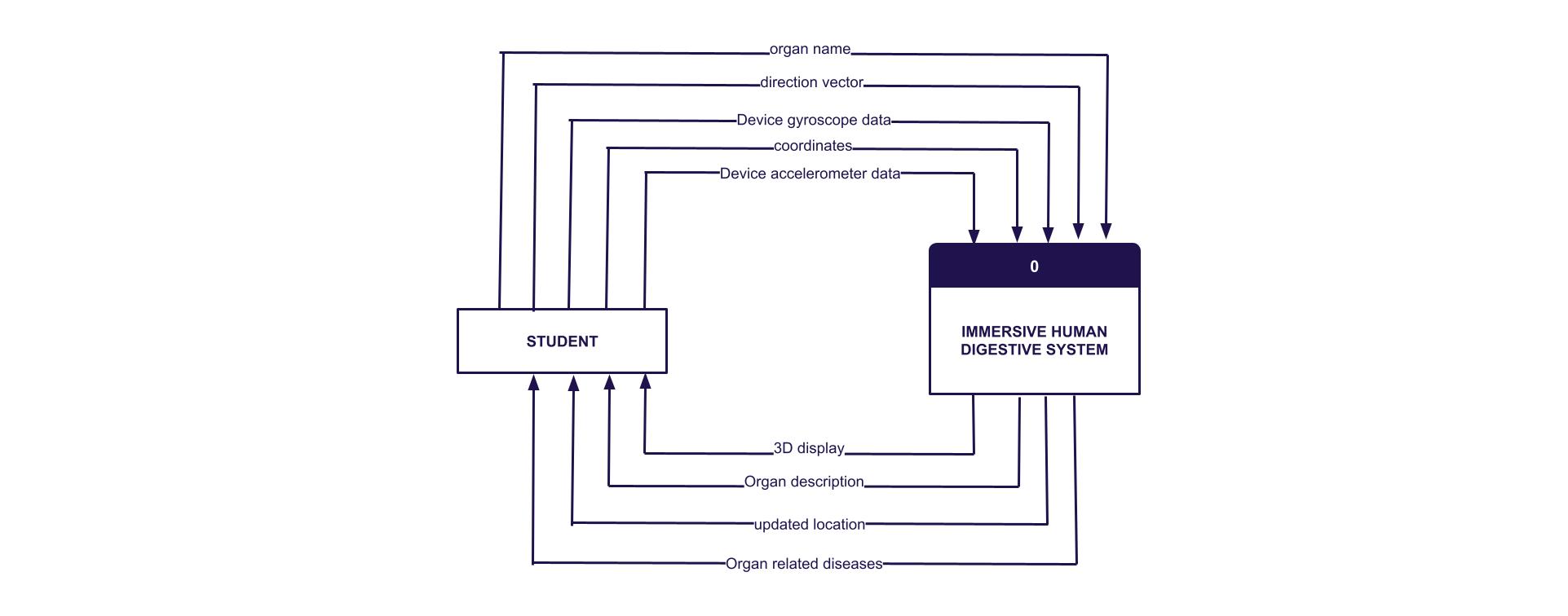
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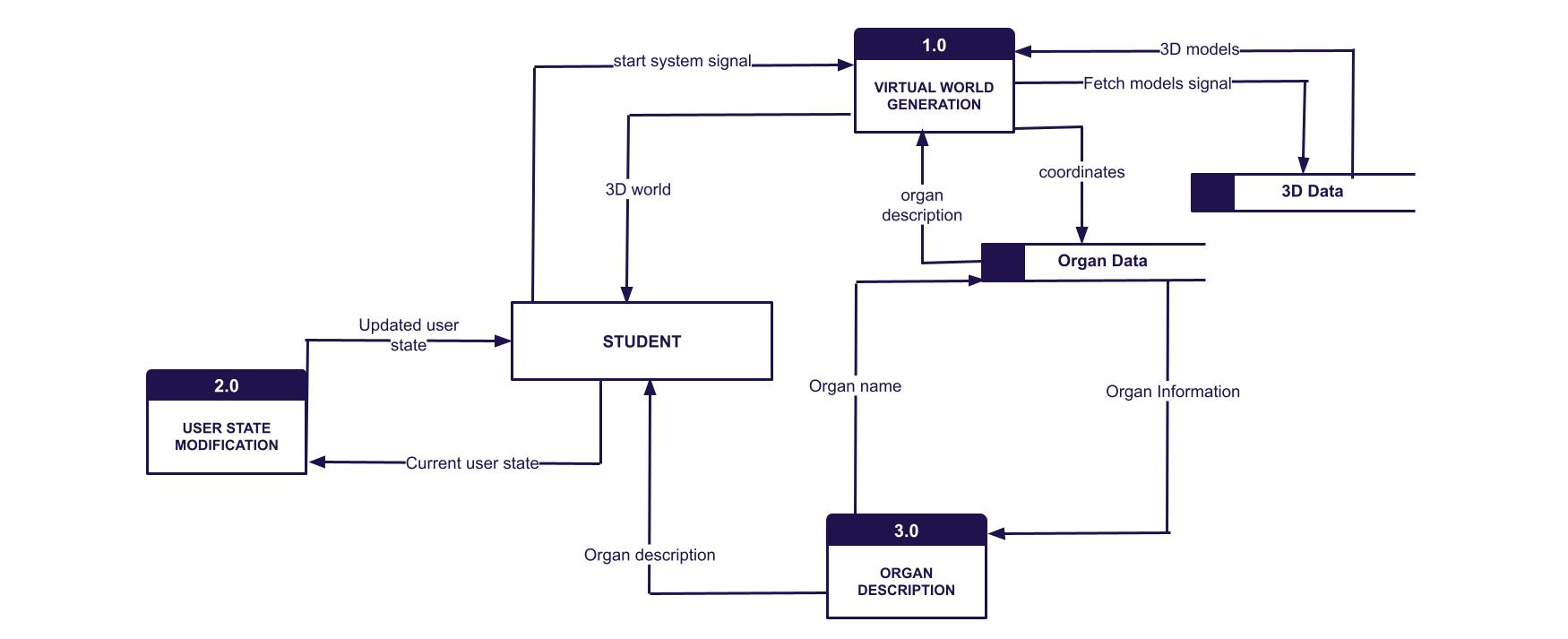
Following data flow diagrams represent all the system components as well as the flow of data throughout the system :

**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**

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The whole system is divided into three separate modules :

* Virtual World Generation
* User State Modification
* Organ Description

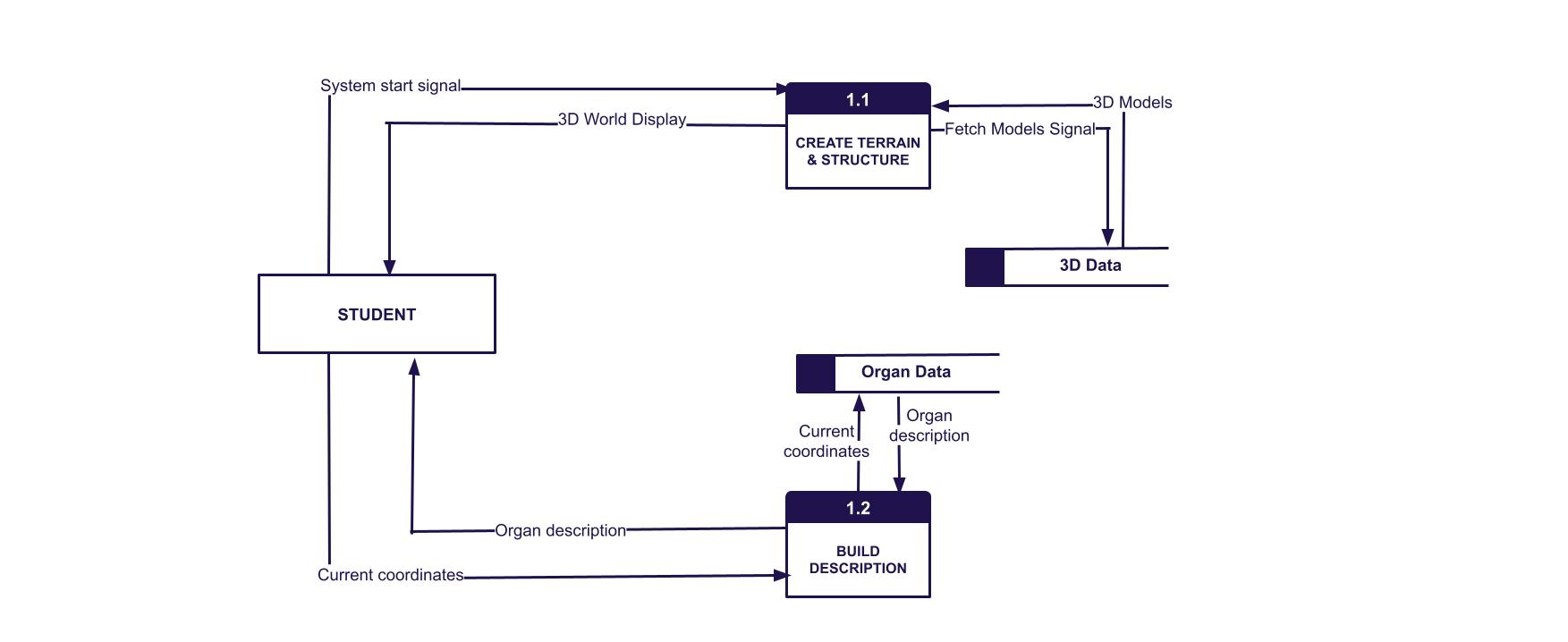
There are two data stores used by these modules :

* 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.

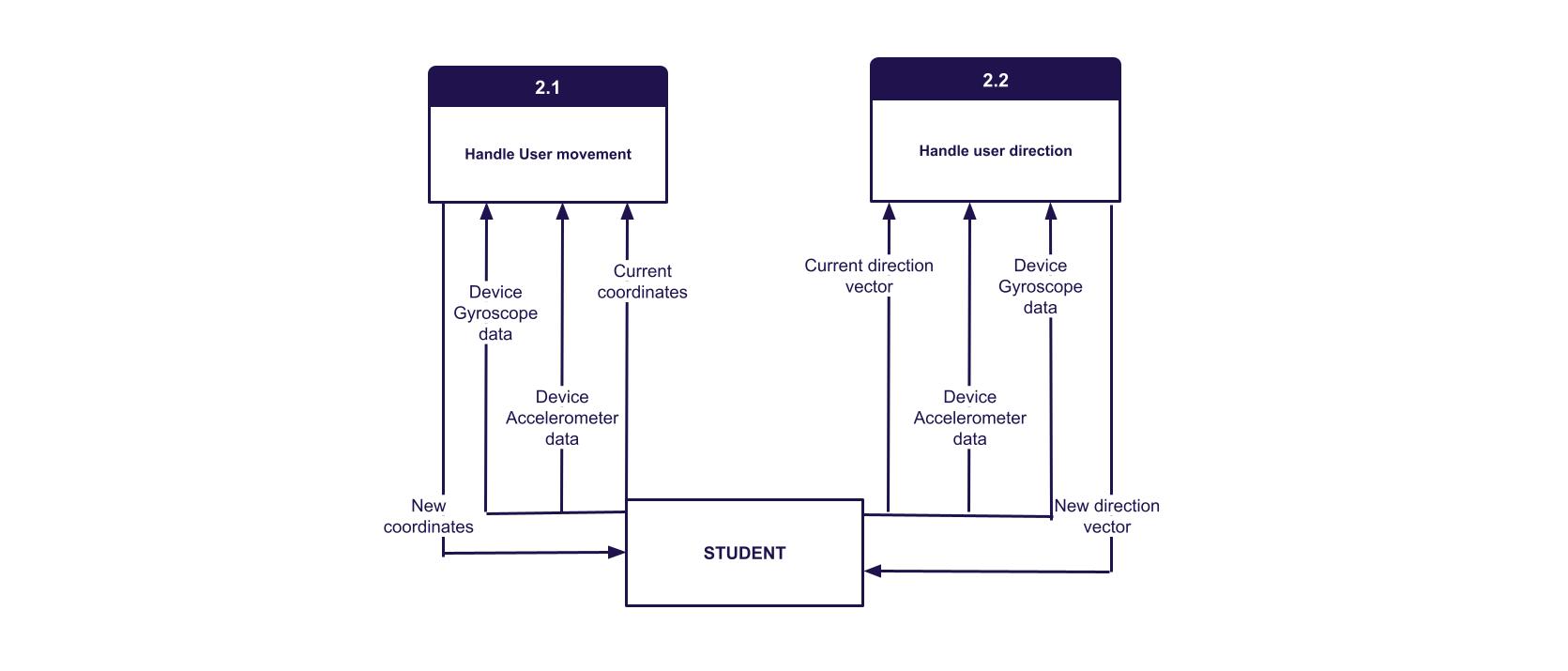
**LEVEL 2: DFD**

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

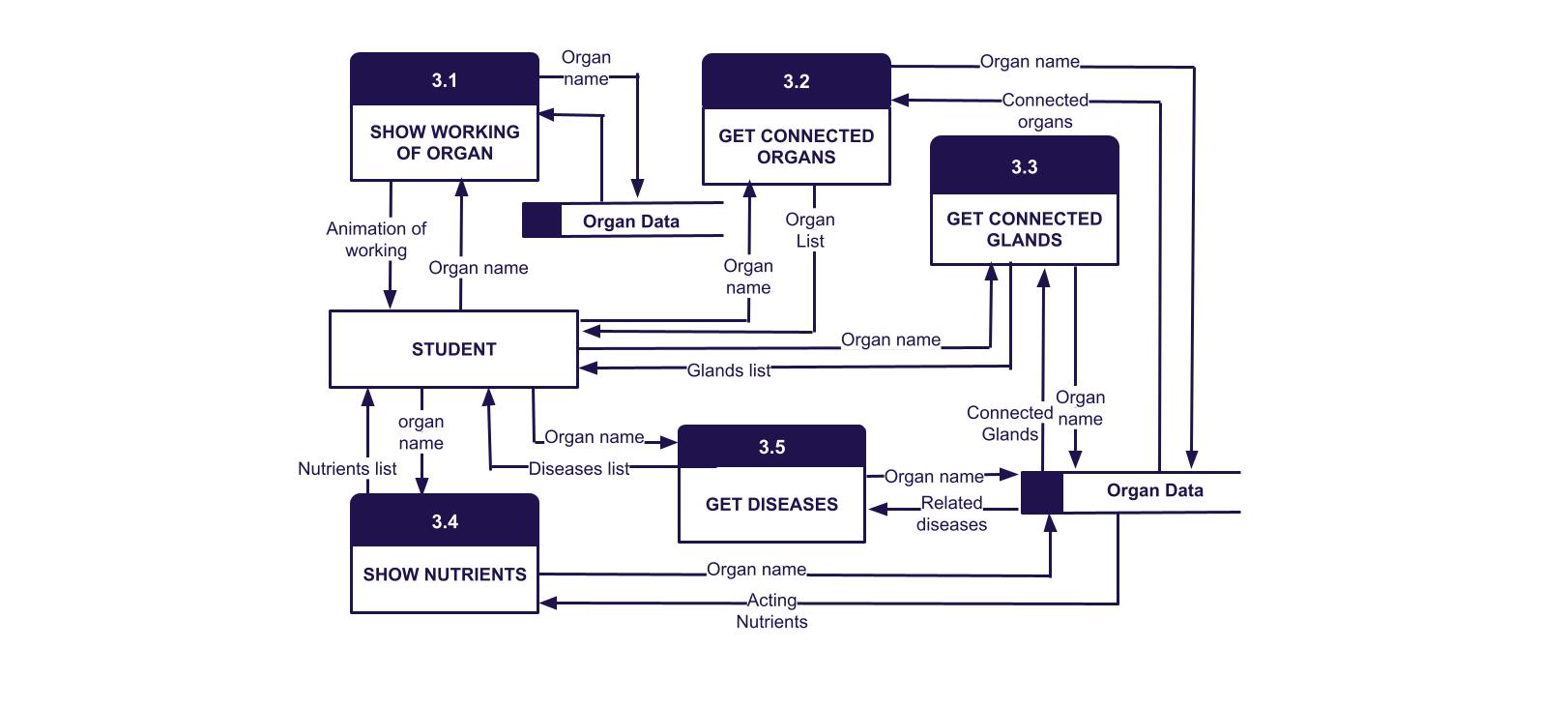
**LEVEL 2.1 -**

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**LEVEL 2.2 -**

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**LEVEL 2.3 -**

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**ER DIAGRAM:**

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

