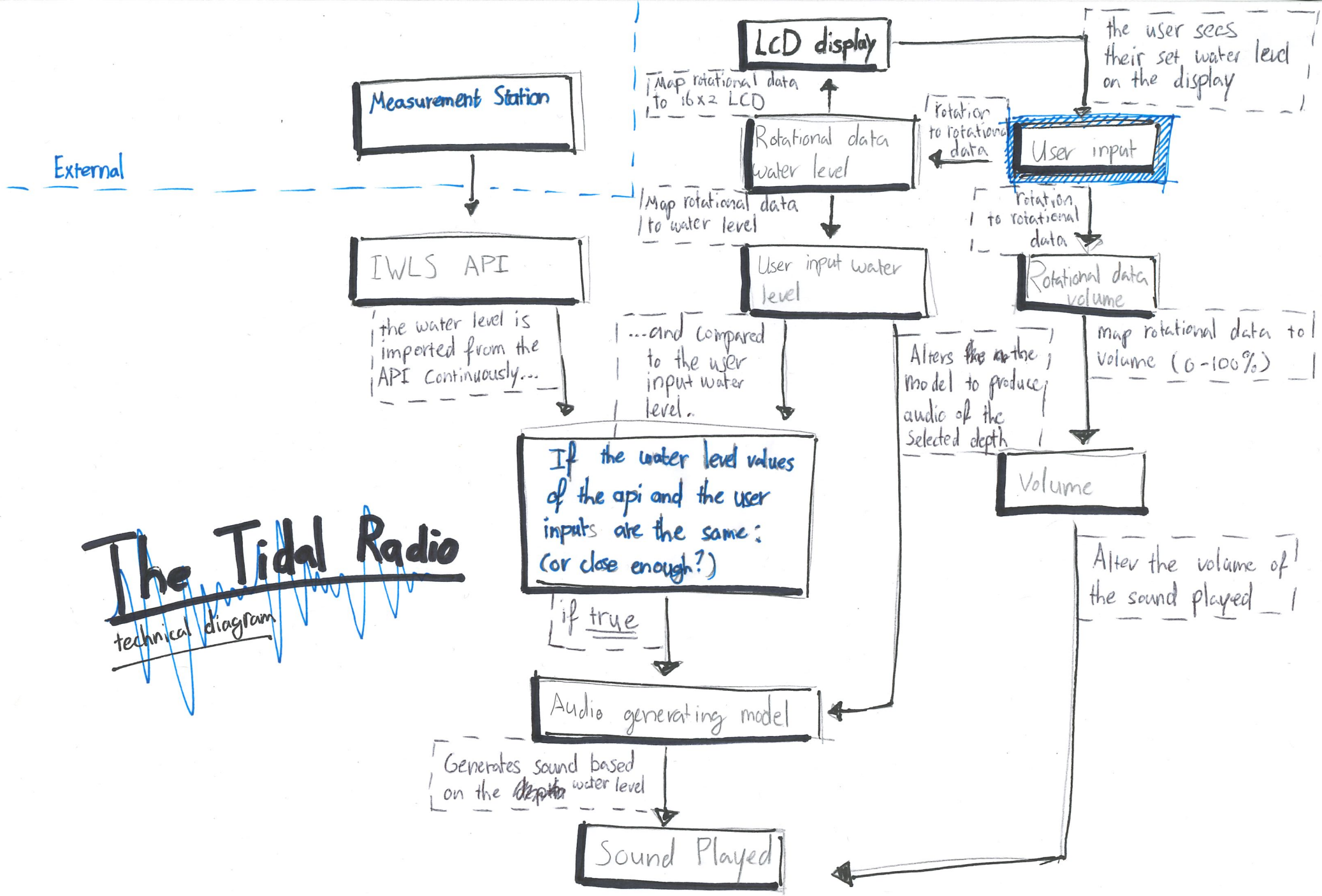

External
Measurement Station
IWLS API
the water level is imported from the API continuously...
LCD display
Map rotational data to 16x2 LCD
the user sees their set water level on the display
Rotational data water level
rotation to rotational data
User input
Map rotational data to water level
User input water level
rotation to rotational data
Rotational data volume
...and compared to the user input water level.
Alters the model to produce audio of the selected depth
map rotational data to volume (0-100%)
Volume
If the water level values of the api and the user inputs are the same: (or close enough?)
if true
Alter the volume of the sound played
Audio generating model
Generates sound based on the water level
Sound Played
The Tidal Radio
technical diagram