**5.REQUIREMENTS TRACEABILITY**

The design of this application aims to meet all the goals and requirements that have been previously specified in RASD. Below are listed the design components to which TrackMe’s requirements and goals are mapped:

**[G1]** Individuals can collect and store their data on Data4Help. The desired data from individuals are profile data, health data, location data and chronic disease.

* DataAcquisitionService
* DataService

**[G2]** Individuals can share their data with third parties which they allowed.

* RequestService
* ResponseService
* DataService

**[G3]** Individuals can update their personal information they have used while registering and delete their own account.

* AccountService

**[G4]** Individuals can see and select which information is shared with which third parties when information of these individuals is shared.

* AccountService

**[G5]** Individuals can see and track their own data.

* AccountService
* DataService
* DataAcquisitionService

**[G6]** Third parties can access specific individuals' data.

* RequestService
* ResponseService
* DataService

**[G7]** Third parties can access anonymized data of a group of individuals.

* RequestService
* ResponseService
* DataService

**[G8]** Sends a notification to the nearest hospital in 5 seconds when health values of individual fall below a certain threshold.

* DataAcquisitionService
* SosService

**[G9]** Individuals can keep their SOS history.

* SosService

**[G10]** Organizers can specify paths for running.

* RunService

**[G11]** Individuals can register to run as a runner with a unique code of the organization.

* RunService

**[G12]** Runners can track the path and their location on the map in real-time during the running.

* RunService
* DataAcquisitionService

**[G13]** Organizers and spectators can see runners' instant locations on a map.

* RunService
* DataAcquisitionService