R1: System should allow registration of users with codice fiscale and personal data (age, gender, blood type)

* UserRegistrationService

R2: System should collect and store date of the registered users

* UserDataCollectionService

R3: System should allow registration of third party with valid ID

* ThirdPartyRegistrationService

R4: System should pass requests from third party to individual based on codice fiscale

R5: System should make the requested data available to the third party only if the individual approves the request

* IndividualDataRequestService

R6: System should be able to retrieve data based on category

R7: System should be able to accept or refuse a request based on the size of data

* DataSetRequestService

R8: System should allow subscription for data requests from third party

R9: System should send requested data as soon as they are produced

* DataSetSubscriptionService

R10: System should allow subscription for elderly people by entering personal preferences (thresholds for health parameters)

* AutomatedSOSserviceRegistration

R11: Monitor health parameters of subscribed elderly people continuously

R12: Call an ambulance only when health parameters go below threshold

* HealthDataMonitoringService
* AmbulanceCallingService

R13: System should allow registration of run organizers

* RunOrganizerRegistrationService
* RunSetupService

R14: System should allow creating an enrollment process

R15: System should allow run participants to enroll for a run

* RunEnrollmentService

R16: system should create a view of the map with all run participants positions

R17: system should allow spectators to have access to the view

* RunSpectatorViewService

Components:

REGISTRATION COMPONENT

* UserRegistrationService
* ThirdPartyRegistrationService

LOGIN COMPONENT

* UserLoginService
* ThirdPartyLoginService
* SessionService

PREFERENCES COMPONENT

* GetPreferenceService
* SetPreferenceService

DATA COLLECTION COMPONENT

* UserDataCollectionService
* DataAggregationService

DATA REQUEST COMPONENT

* IndividualDataRequestService
* DataSetRequestService
* DataSetSubscriptionService

AUTOMATED SOS COMPONENT

* AutomatedSOSRegistrationService
* HealthDataMonitoringService
* AmbulanceCallingService

RUN ORGANIZATION COMPONENT

* RunOrganizerRegistrationService
* RunSetupService
* RunEnrollmentService
* RunSpectatorViewService
* MapService

DATABASE COMPONENT

* DataAccessService
* DataTransmissionService

Implementation and integration (notes)

1. Data collection component (wearable linking)
2. Data bases
3. Registration and Login Component
4. Data Request Component
5. Preferences
6. Automated sos (ambulance facility link)
7. Run (maps and gps link)