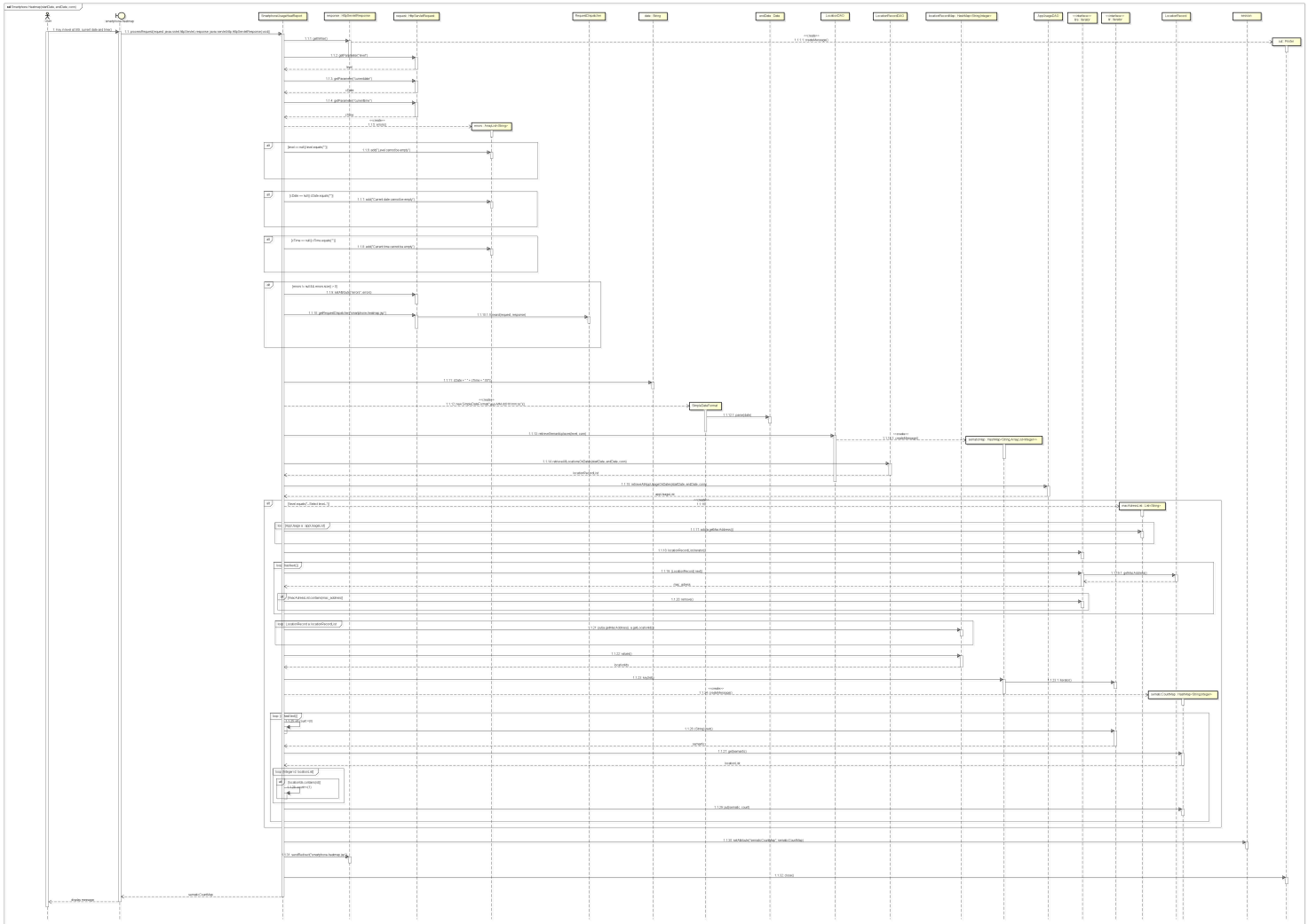
sd Smartphone / Heatmap(startDate, endDate, zone)
smartphone Heatmap
1 : Key Cloud at 200, turned data and times
1.1 : processRequest(request, jexas.rsind.filip.Servlet, response: jexas.servlets.HttpServletResponse) :void
SmartphoneUsageSheetRepost
response : HttpServletResponse
request : HttpServletRequest
RequestDispatcher
date : String
endDate : Date
LocationDAO
LocationPacketDAO
locationPacketMap : HashMap<String,Integer>
AppUsageDAO
<<Hashtable>>
Ex: Serial
<<Hashtable>>
: Serial
LocationPacket
session
<<create>>
1.1.1.1 : create(Integer)
1.1.1 : getHttp()
1.1.2 : getParameter("from")
<<get>>
1.1.3 : getParameter("currentDate")
<<get>>
1.1.4 : getParameter("currentZone")
<<get>>
<<create>>
1.1.5 : String
zone : TimeZone
alt
[level == null || level.equals("")]
1.1.6 : add("Level (sensitive empty)")
alt
[cDate == null || cDate.equals("")]
1.1.7 : add("Current date (sensitive empty)")
alt
[cTime == null || cTime.equals("")]
1.1.8 : add("Current time (sensitive empty)")
alt
[errors != null && errors.size() > 0]
1.1.9 : setAttribute("errors", errors)
1.1.10 : getRequestDispatcher("/smartphone/heatmap.jsp")
1.1.10.1 : forward(request, response)
1.1.11 : date + " " + time + ":00"
<<create>>
1.1.12 : new SimpleDateFormat("yyyy-MM-dd HH:mm:ss")
SimpleDateFormat
1.1.12.1 : parse(date)
1.1.13 : retrieveSmartphoneUsageSheet(zone)
<<create>>
1.1.13.1 : create(String)
sensorMap : HashMap<String,ArrayList<Integer>>
1.1.14 : retrieveAll(locationDAO.dbNameDate, endDate, zone)
locationPacketList
1.1.15 : retrieveMap(appUsageDAO.dbNameDate, endDate, zone)
appUsageLst
alt
[level equals("_Global level.")]
1.1.16
macAddressLst : List<String>
loop
loop(1,Arrays.size(locationPacketList))
1.1.17 : get(i).getMacAddress()
1.1.18 : locationRecordLst.size()
1.1.19 : locationRecordLst.remove(0)
loop
loop(1,size())
1.1.20 : locationRecordLst.get(i)
1.1.21 : getMacAddress()
[mac_address]
1.1.22 : remove()
1.1.23 : locationPacketMap.get(i).locationMap
1.1.24 : size()
[locationMap]
1.1.25 : keySet()
1.1.25.1 : iterator()
<<create>>
1.1.26 : create(Integer)
sensorCountMap : HashMap<Integer,Integer>
loop
loop(1,size())
1.1.27 : get(i)
[i.intValue() == set-1]
1.1.28 : String(date)
[date]
1.1.29 : getSensor()
[sensor]
1.1.30 : getSensor()
[sensor]
loop
loop(0,size()-1)
[locationMap.containsKey(i)]
1.1.31 : put(i, 1)
1.1.32 : put(i, locationMap.get(i))
1.1.33 : put(i, 0)
1.1.34 : put(i, 0)
1.1.35 : put(i, 0)
1.1.36 : put(i, 0)
1.1.37 : put(i, 0)
1.1.38 : put(i, 0)
1.1.39 : put(i, 0)
1.1.40 : put(i, 0)
1.1.41 : put(i, 0)
1.1.42 : put(i, 0)