work packages SSU:

work packages – Rudolf Migirov:

1) divide project in work packages
2) create the project structure plan
3) create the Gantt chart
4) choose a fitting Arduino
5) choose a fitting Raspberry Pi
6) design the circuit of the Storage Unit
7) polish the acrylic glass pieces
8) build in the touch-panel
9) install Apache on the Raspberry Pi
10) open the right ports for a public server
11) choose a consistent colour theme and layout (for website, touch panel and application)
12) plan the basic structure and design of the website
13) plan the interface/connection between the website and the database
14) plan a pdf-creator, which creates a database report
15) write the code of the website (and connect it to the database)
16) code the pdf-creator

work packages – Fabian Reiner:

1) divide project in work packages
2) create the project structure plan
3) create the Gantt chart
4) design the basic model in Fusion 360
5) finish the sketch in Fusion 360
6) cut the acrylic glass to size
7) polish the acrylic glass pieces
8) screw the wooden frame together
9) installation of a MySQL-database on the Raspberry Pi
10) choose a consistent colour theme and layout (for website, touch panel and application)
11) plan the database structure
12) prepare MySQL-statements for the creation of the database
13) set up the database
14) design the touch panel layout
15) code the touch panel in Python and connect it to the database
16) code the Arduino to light up the LED-Strips
17) code the interface between Raspberry Pi and Arduino

work packages – Stefan Zauper:

1) divide project in work packages
2) create the project structure plan
3) create the Gantt chart
4) choose a fitting small parts storage
5) choose a fitting LED-strip with the right power supply
6) choose a fitting micro scale
7) place LED-strips above the storage boxes
8) solder all the parts together
9) build in the micro scale
10) choose a consistent colour theme and layout (for website, touch panel and application)
11) plan the connection between the micro scale and the Raspberry Pi
12) create the interface between the micro scale and the Raspberry Pi
13) design the android app
14) plan the basic structure of the code
15) plan the connection to the database
16) write the code for the app
17) connect the Android app with the database