Embedded system project: ordering components

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This document gives the procedure to order electronic components for the embedded system project.

1 Deliverable

An Excel sheet generated by exporting the basket of the retailer. One per retailer (at most). This must be emailed to Thomas Braipson by Friday 4 December at 23:59.

2 Budget

A budget of 35 euros per group is provided by the University (shipment fees excluded).

3 Retailers

- Mouser (`https://eu.mouser.com/`)
- Farnell (`https://www.farnell.com/`)
- RS Components (`https://befr.rs-online.com`)

4 Tips for choosing components

- First of all, find out what you need for your project (e.g. a servo motor) and dimension things (e.g. the torque of the servo).
- Go to retailer websites and search for what you want. There will more than probably many results to a key-word based search. Filter out results by parameters such as availability, size, package, physical properties that you want,...
- Pay attention to availability! Choose only parts that are in stock.
- Pay attention to packages! Choose through hole and DIP so that components fit into a breadboard.
- Pay attention to compatibility between components! For instance, check voltage supply levels, that typically are either 5 V or 3.3 V.

5 Other option

You can request free samples from Würth Elektronik (`https://www.we-online.com/en/products/components/ordering-form`). You should do it yourself. If you do so, add an Excel file listing what you ordered there.