Exercise 2

Please prepare a written documentation for each task before each exercise date. Failure to do so may jeopardise your admission to the final exam. Please note your name and student number on the documentation. You may be asked to present your solution in class.

1. Research the SaaS company personio.com. What functionality does its software offer to its clients? Please draw an structural architecture that models this HR software.   Think about proper components and interfaces to existing 3rd party services. Describe your architecture and categorise your work within existing architectural styles.

2. Read the paper *Yahyavi.pdf* pages 1-20 (see CampUAS). Describe this architectural style and compare it to the styles mentioned in the lecture.

3. Develop illustrations of the 4 architectural views for the system design of a *ticket machine used by passengers at a railway station.*

4. Suggest an architectural pattern for the following software systems. Why would you recommend this pattern here?
   1. A whistleblowing system on the internet.
   2. A video conferencing system
   3. A GPS tracker for cats