sofDev16 SAT *Design*

The logical design from the Analysis Stage SRS is morphed into a **Physical Design** ready for the development of the proposed system

Folio: Alternate *Design* Ideas

- ⊡ Generate 2 or 3 distinctive *de*sign ideas
  - ▪ From the SRS
- ⊡ Each idea must be
  - ▪ Original
  - ▪ Feasible
  - ▪ Documented
    - ▫ Layout diagram \ mock-up\ sketches
    - ▫ Written descriptions

Which *Design?*
Evaluation criteria

Efficiency criteria:

- ▣ Speed of processing
- ▣ Functionality
- ▣ Cost of file manipulation

Effectiveness criteria

- Completeness
- Readability \ clarity
- Attractiveness
- Accuracy
- Accessibility
- Timeliness
- Communication
- Relevance
- Usability

See text pp61-64

Other *Design* Influences

- User experiance
- Affordability
- Security – data protection and authentication
- Interoperability
- Marketability
- Processing efficiency

Preferred *Design*

Fully detailed and accurate *design*:

- Layout diagram(s) \ mockup(s)
- Data dictionary
- Object descriptions
- Pseudocode (algorithms)

Check that functional & non functional requirements of the SRS are fully detailed