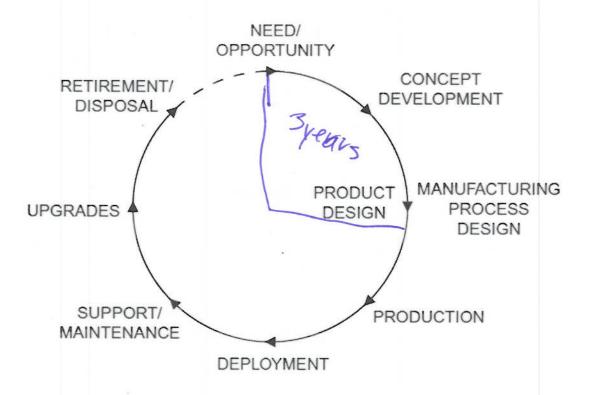
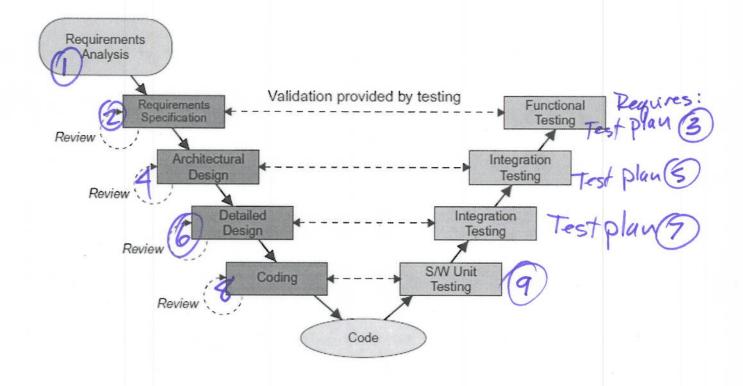
Lecture 9 ECGR 4101/5101 Holmi / Software Co design figure out - what to do System definition -> capabilities & Requirements System Software Electrical Hollow L Mechanical Holm Standards Box: Instructions, charger, earbul Marketing, Supply drain, Mfg Design & Regulrements phases are very small parts of the life eycle. Example: Automobile > designed in 3 years, can last 20 years

Do

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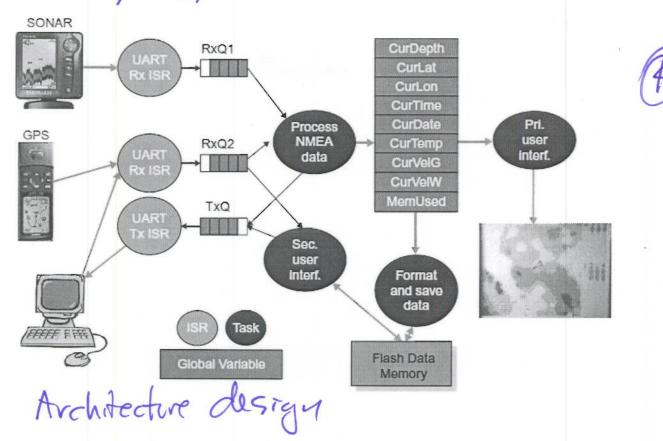


Leekve 9 ECGR 4101/5101 1. O Requirement: map the water so that with GPS
You can identify
the depth of The water. 1.1 Regardement: the measurement will also record the current tide levels 1.2 Requirement: The location vis GPS will be recorded every I second. 1.3 Degt: The embedded device will be .3x.3x.3

meters & Spanne and be water proof. 1.4 Regt: The device shall need 12V or less & draw no more than 1A. 1.5 Regt: The depth shall be weaswed with an OTS fish/depth finder.every I second. 1.6 fegt: the GPS & sonar shall communicate Via RS-232c at 4800 bps. 1.7 Regt: The device shall record the wind speed & direction 1.8 Regt: The device stall described sollened a minimum of 512k bytes of DAIA Flagh

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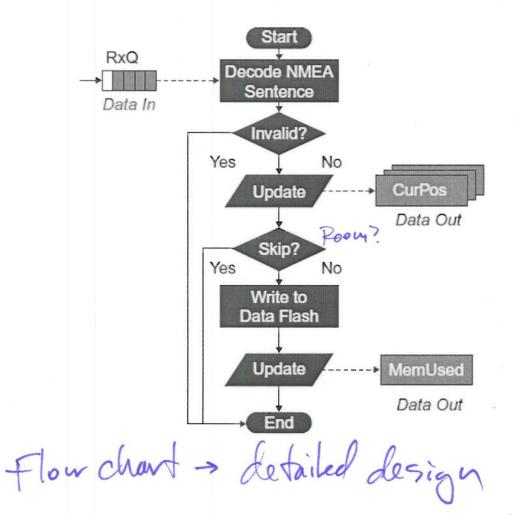
Lecture 9



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Lecture

(5)



Testing black box white box

i to this function

6

