

Requirements	Clear, concise, correct, coherent, complete, and confirmable requirements for your project, written with "shall/should" language as defined in class. If requirements are missing (for example, if some module defined in the architecture diagram does not have any associated requirements), points won't necessarily be taken off, but will be noted and expected to be added for the final report. Points taken off for not following "should/shall" language and if major aspects of project functionality are not reflected in the requirements	20
Architecture diagram	An architecture diagram of the modules/components of the system and the interfaces between them. This should fit on one page and be a "boxes and arrows" diagram, as described in class.	14
Sequence diagram	One sequence diagram that describes how the modules of the system will interact for one of the primary use case scenarios of the system, as described in class. Messages should be temporally ordered, top messages sent first. Should include a 1-2 sentence description of the use case.	7
FSM	One finite state machine that describes the detailed design of the main module of your system, as described in class. Needs to: define inputs, outputs, variables, start state; give guards and actions for transitions; give names and numbers to states.	20
Traceability	A traceability matrix of how the transitions and states of the FSM in step 4 traces to the requirements in step 1. Not required to have a check for every column. However, the requirements relevant to the module in question must all have a check.	10
Test plan	A test plan that lays out which modules you will unit test and what integration and acceptance tests you will run, as described in class. Describes testing approaches taken (structural, functional, etc) and how to evaluate how much testing is enough (e.g. full requirements coverage)	14
Milestone reflection	A reflection on whether you met the milestone you proposed in part 4 of the proposal, and if not, what challenges got in your way.	7
Final deliverable update	If the deliverable has changed/been scaled back due to challenges and/or feedback, you should include updated versions of parts 1 and 2 of the proposal. If there were comments in your proposal about how you meet the four requirements in the Project Overview section of this document, you should address these comments. Otherwise, just include parts 1 and 2 of the proposal.	4
Overview slide	Has an overview slide of the project prepared for the demo	4
Demo	Has a short demo of some aspect of the project (software and/or hardware). If demo isn't ready, a discussion of challenges faced will count for 80% credit (16 points)	20
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