# NAGP System Design

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| **Evaluation Criteria:** Parameters on which demo will be evaluated for all the individuals | | | |
| Presentation | QnA | Technology Justification | Design and architecture (completion and justification) |

**Important points to focus for the presentation:**

* Complete coverage from architecture end point of view. Architecture should be finalized by the individual
* Focus on re-engineering – For example, not using a PAAS offering from the chosen cloud but writing your own
* The justifications for the questions asked by the technical panel should be strong with reasons :-
  + On-the-fly reasons should not be given to justify some things which can be simply closed by saying “We don’t know yet” or “We will check and let you know” or “We did not think this through”
* In case of DAR analysis – objectivity and not subjectivity should be kept in mind

## Deliverables

1. Demo presentation (Each candidate/team should present a PPT to cover the following topics):-
   * Understanding of Problem/Use-case (Scope)
   * Design Considerations (NFRs)
   * (Optional, but good to have) Artifacts produced during process (DB design, Modules identified, UML diagrams etc.)
   * Solution
     + Solution overview (How have you catered the design considerations with your architecture)
     + High Level Architecture diagram
     + Technology Stack
     + Deployment Diagram
   * Assumptions
2. At least 2 DARs (template attached) for the major technology decisions made during the activity: -



## Expectations for the Interim demo:

* Presentation of the current progress of design and architecture finalized (Partial design is acceptable in interim demo)
* Artifacts produced during the progress.
* What assumptions have you taken so far to resolve any ambiguity in requirements?

Expectations for the Final demo

* Within a set presentation time of 20-30 minutes per individual/team:-
  + Presentation of the architecture
  + CI/CD pipeline demo showing deployment of application on cloud
  + Demonstrate a code change in SCM which should be deployed during the demo.

o Panel will ask questions while the application is deployed

o Show login functionality

o Show search page and product details page

* Inputs given by the panel in interim demo are expected to be catered in final demo.