|  | **Expectations** | **Excellent** | **Good** | **Improving** | **Getting Started** | **Evidence** |
| --- | --- | --- | --- | --- | --- | --- |
| **Process(PART 1):**Describe Your Team’s Design Process | **Research Process:**We included evidence that our solution was informed by research, evaluation of existing solutions, and the needs of our “users”. |  |  |  |  |  |
| **Iteration:**We shared specific examples of how our solution evolved from our initial ideas. |  |  |  |  |  |
| **Benefits and Limitations:**We described how our solution offers benefits and accounts for limitations in meeting the Challenge. |  |  |  |  |  |
| **Viability:**We demonstrated the viability of our solution using the Key Business Proposition. |  |  |  |  |  |
| **Use of ANC (PART 2):**How will your solution cancel noise? | **Modeling the Noise:**We described the noise that is being canceled, identified its amplitude and frequency, and modeled it graphically and using an algebraic equation. |  |  |  |  |  |
| **Canceling the Noise:**We described how our solution will cancel the noise using a canceling wave, identified the amplitude and frequency of the canceling wave, and modeled it graphically and using an algebraic equation. |  |  |  |  |  |
| **Adapting for Various Sound Waves(PART 2):**How will your solution account for noises with different frequencies and amplitudes? | **Adapting the Models:**We demonstrated how our solution will adapt to cancel noise with different frequencies and amplitudes by explaining how our graphs and equations would change. |  |  |  |  |  |
| **Minimizing Undesirable Impacts (PART 2):**How will your solution minimize undesirable impacts on the user? | **Meeting the Needs of Users:**We explained how our solution will meet the needs of users. |  |  |  |  |  |
| **Minimizing Side Effects:**We described the ways that we minimized undesirable side effects from using our noise canceling solution. |  |  |  |  |  |