Code Challenge Notice, Instructions & Rules

Re: Competition [RFP TITLE] ("RFP") Government Contact [INSERT GENERAL EMAIL]
This notice is dated [TBD] (the "Notice Date")

Congratulations you are one of XX Shortlisted Proponents eligible to participate in the Code Challenge (Step 4 of the evaluation process described on the Evaluation tab of the RFP).

Please be advised of the following rules and instructions:

1. These code challenge rules and instructions apply only to Shortlisted Proponents and are part of the RFP.
2. Shortlisted Proponents will have no less than four (4) Business Days from the Notice Date to complete the code challenge. The deadline to complete the code challenge in accordance with these rules is 4:00 pm Pacific Time [INSERT DEADLINE DATE] (the "Deadline").
3. The Shortlisted Proponent's code challenge submission Deliverable (defined below) must be received by the Province (as provided for by these instructions) and be deposited and located in the applicable Repository before the Deadline, failing which such submission will not be eligible for evaluation and the associated Shortlisted Proponent Proposal will receive no further consideration and such Shortlisted Proponent will be eliminated from the RFP competition.
4. Only the Proponent Resources that were put forward in a Shortlisted Proponent's RFP Proposal are eligible to participate in the Code Challenge.
5. The Shortlisted Proponent Resources will be sent invites via GitHub to join the [INSERT PRIVATE REPO]. Please forward to the Government Contact the GitHub handles of those Proponent Resources who will be taking part in the Code Challenge.
6. As of the Notice Date, the code challenge issue has been created in the [INSERT PRIVATE REPO], under the [INSERT ORG].
7. Shortlisted Proponents may direct clarifying questions to the Government Contact. The Government Contact will be available to answer questions between 9:00 a.m. - 4:00 p.m. Pacific Standard Time. Any such questions must be received by the Government Contact before 4:00 p.m. Pacific Standard Time on [TBD] (the "Code Challenge Questions Deadline").

8. The Province reserves the right to amend this notice before or after the Closing Time, including changing the Deadline or the Code Challenge Questions Deadline upon notice to all Shortlisted Proponents.
9. To pass the Code Challenge, the Shortlisted Proponent's code must pass at least 80% of the functional tests. The functional tests will ensure that the provided solution satisfies the user stories described in the challenge requirements. All deliverables must be deposited and received in the applicable Repository by the Province in the form specified by this notice before the Deadline:

- The Shortlisted Proponents must make all code commits required to complete the code challenge in the applicable private BGGov GitHub repository. Note that teams may be penalized for submitting their solution in one large commit at the end of the challenge; part of the evaluation is to observe participation and interaction between the team members via the repository history.
- Attach an Apache License 2.0 to the Deliverable.

10. The rules and instructions set forth in this notice are in addition to any rules, terms and conditions set forth elsewhere in the RFP.

11. The following paragraphs describe the code challenge:

Code Challenge:
The issue outlines a basic business problem that needs to be solved in the [INSERT FEATURE/COMPONENT]. The Shortlisted Proponent's Team is required to demonstrate their Agile development capabilities and skills by building the feature as described by the issue. Your code challenge is:

//START SAMPLE

Introduction:

This code challenge asks you to build an application that can query a given database. The application must be able to query both SQL and non-SQL databases.

The application must allow a user to create and execute a query. The user must be able to create a query using either the AND ($\wedge$) or OR ($\vee$) logical operator to link a series of

operands. Once a user has created a query, the user must be able to execute the query to return a list of items from the database. The list may be empty.

Each operand will consist of an attribute, operator and value. For instance, the expression "Height >= 5" would form a valid operand. In these instructions, the term "operand" will also be referred to as "query condition".

The typical user will be someone who is not familiar with Boolean logic. That is, assume the user does not know the formal meaning of the AND and OR logical operators.

User Stories:

All of the following user stories must be completed. They may be completed in any order.

User Story #1 – Select a Logical Operator

As a user, I want to be able to create an extended query (that is, connect any number of operands together) by using either the AND or the OR logical operator.

Given that I am viewing the user interface
When I activated the logical operator control
Then the control is set to either "AND" or "OR"

User Story #2 – Complete a Query Condition

As a user, I want to be to complete a query condition using any database attribute. I want the condition's operators and values to be based on my chosen database attribute type.

Given that I have selected a database attribute
When I select an operator
Then I am present with a list of operators based on the type of the chosen attribute
And When I select a value
Then I am presented with a list of values based on the type of the chosen attribute

//END SAMPLE