Inspection Checklist

For agentTool III (Static)

Version 1.0

Submitted in partial fulfillment of the requirements of the degree of MSE

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1. **Introduction**

   The purpose of this document is to provide a checklist for the technical inspectors of agentTool III (Static). The checklist will be used to document the items which are to be inspected. The checklist will help the technical inspector to inspect the documents. The goal of the technical inspection is to aid the developer in checking for correctness and consistency with the architectural design and formal specification documents.

2. **Items to be inspected**

   2.1. **UML Diagrams**
   
   - Class diagrams
   - Sequence diagrams
   - Class descriptions

   2.2. **Formal Specification**
   
   - USE model

   The inspector will need to cross reference the vision document for completing the inspection

3. **Formal Technical Inspectors**

   - Binti Sepaha
   - Dominic Gelinas

4. **Formal Inspection Checklist**

<table>
<thead>
<tr>
<th>Inspection Item</th>
<th>Pass/Fail/Partial</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. The symbols used in the class diagrams conform to UML standards</td>
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<tr>
<td>2. The symbols used in the sequence diagrams conform to UML standards</td>
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<td>3. The classes in the class diagrams have a corresponding description provided in the architectural design document</td>
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<td>4. The descriptions of the classes in the Architecture Design document are clear and adequate.</td>
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</table>
5. Classes in the Architecture Design (Section 6.1 – only relevant to Goal Diagram) are consistent with classes in the USE model

6. The attributes in the USE model are consistent with the attributes of the corresponding class diagrams

7. The associations in the USE model are present in the Class Diagram as association links.

8. The multiplicities in the USE model are consistent with the Class diagram

9. The sequence diagrams are clear and understandable based on the description in Section 8.

10. All model elements and relationships as outlined in the Vision Document (Section 3.2) are present in the architecture document as classes.