|  |  |  |  |
| --- | --- | --- | --- |
| **Use Case UC-1:** | | | **Config** |
| **Related Requirements:** | | | REQ1, REQ2, REQ4 and REQ5 stated in Table Requirements |
| **Initiating Actor:** | | | User |
| **Actor’s Goal:** | | | To config the tonality, style and duration |
| **Participating Actors:** | | | None |
| **Preconditions:** | | | The software always displays the list of available tonality and style. |
| **Postconditions:** | | | The melody is generated according to the tonality and the style the user chose. |
| **Flow of Events for Main Success Scenario:** | | | |
| → | 1. | **User** selects the options from the tonality, duration and style lists. | |
| ← | 2. | **System** (a) saves the choices made by the **User** and (b) sends the data to the **Generator** to generate music. | |

|  |  |
| --- | --- |
| **Responsibility Description** | **Concept Name** |
| Rs1. Accept choices that what the tonality, duration and the style to be. | Recorder |
| Rs2. Send the choice to generator. | Sender |

|  |  |  |
| --- | --- | --- |
| **Concept pair** | **Association description** | **Association name** |
| Recorder ↔ Sender | Recorder passes the user’s choice to Sender to store the data. | provides data |

|  |  |  |
| --- | --- | --- |
| **Concept** | **Attributes** | **Attribute Description** |
| Recorder | default configuration | The possible tonality, duration and the musical style settings are defaulted. |
| archiver | User’s choices are archived. |
| Sender | pass data | The configuration is passed from Recorder to Generator. |