

# Roll Call

## System Design Document

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## CRC Cards

<b>Class Name:</b> Event	
<b>Subclasses:</b> DayEvent, WeekEvent, MonthEvent	
<b>Responsibilities:</b> <ul style="list-style-type: none"> <li>• Gets Google Calendar credentials</li> <li>• Defines an uninstantiated time range for events (instantiated by subclasses)</li> <li>• Gets Google Calendar events within specified time range</li> <li>• Gets current time in our time zone (EST)</li> </ul>	<b>Collaborators:</b> <ul style="list-style-type: none"> <li>• Google Calendar API</li> <li>• DayEvent</li> <li>• WeekEvent</li> <li>• MonthEvent</li> </ul>

<b>Class Name:</b> DayEvent	
<b>Superclass:</b> Event	
<b>Responsibilities:</b> <ul style="list-style-type: none"> <li>• Defines the time range as the start of today to the end of today</li> </ul>	<b>Collaborators:</b> <ul style="list-style-type: none"> <li>• Event</li> <li>• Google Calendar API</li> </ul>

<b>Class Name:</b> WeekEvent	
<b>Superclass:</b> Event	
<b>Responsibilities:</b> <ul style="list-style-type: none"> <li>• Defines the time range as the start of tomorrow to the end of the 6th day from now</li> </ul>	<b>Collaborators:</b> <ul style="list-style-type: none"> <li>• Event</li> <li>• Google Calendar API</li> </ul>

<b>Class Name:</b> MonthEvent	
<b>Superclass:</b> Event	
<b>Responsibilities:</b> <ul style="list-style-type: none"> <li>• Defines the time range as the start of the current month to the end of the current month</li> </ul>	<b>Collaborators:</b> <ul style="list-style-type: none"> <li>• Event</li> <li>• Google Calendar API</li> </ul>

<b>Class Name:</b> Generator	
<b>Subclasses:</b> QuoteGen, WordGen	
<b>Responsibilities:</b> <ul style="list-style-type: none"> <li>• Configures Gemini AI in our backend</li> <li>• Creates a generative model instance based on gemini-1.5-flash</li> </ul>	<b>Collaborators:</b> <ul style="list-style-type: none"> <li>• QuoteGen</li> <li>• WordGen</li> <li>• Google Gemini API</li> </ul>

<b>Class Name:</b> QuoteGen	
<b>Superclass:</b> Generator	
<b>Responsibilities:</b> <ul style="list-style-type: none"> <li>• Creates a quote generating gemini model instance</li> <li>• Prompts gemini model to give a random quote and the person who said it</li> <li>• Uses two random chars to increase likelihood of unique generation</li> </ul>	<b>Collaborators:</b> <ul style="list-style-type: none"> <li>• Generator</li> <li>• Google Gemini API</li> </ul>

<b>Class Name:</b> WordGen	
<b>Superclass:</b> Generator	
<b>Responsibilities:</b> <ul style="list-style-type: none"> <li>• Creates a word and definition generating gemini model instance</li> <li>• Prompts gemini model to give a random word and its definition</li> <li>• Uses three random chars to increase likelihood of unique generation</li> </ul>	<b>Collaborators:</b> <ul style="list-style-type: none"> <li>• Generator</li> <li>• Google Gemini API</li> </ul>

# Software Architecture Diagram

