

Roll Call

System Design Document

EECS 3311 - Sprint 2
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TABLE OF CONTENTS

CRC Cards.....	3
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Software Architecture Diagram.....	5
-------------------------------------------	----------

CRC Cards

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

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

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

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

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

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

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

Software Architecture Diagram

