

Natural Language to iCalendar Converter

COMP SCI 4TB3 PROJECT – GROUP 9

Natural Language to iCalendar Converter

Generates a standard iCalendar format event from a natural language input.

Create new calendar events without filling separate fields as in a traditional calendar application.

Type your event information to view a real-time conversion

Discuss project on Monday. Bring notes|

- Summary: Discuss project
- Date Start: Mon Apr 05 2021 GMT-0400
- Date End: Mon Apr 05 2021 GMT-0400
- Description: Bring notes

Press Enter or click Download to generate an iCalendar file for your event.

[Download .ics](#)

[Preview .ics](#)

The iCalendar Format

*Internet Calendaring and Scheduling Core
Object Specification (.ics)*

A standard for storing and exchanging calendar event data.

Supported by and can be imported into almost any calendar application.

"Discuss project on
monday at
4pm. Bring notes"

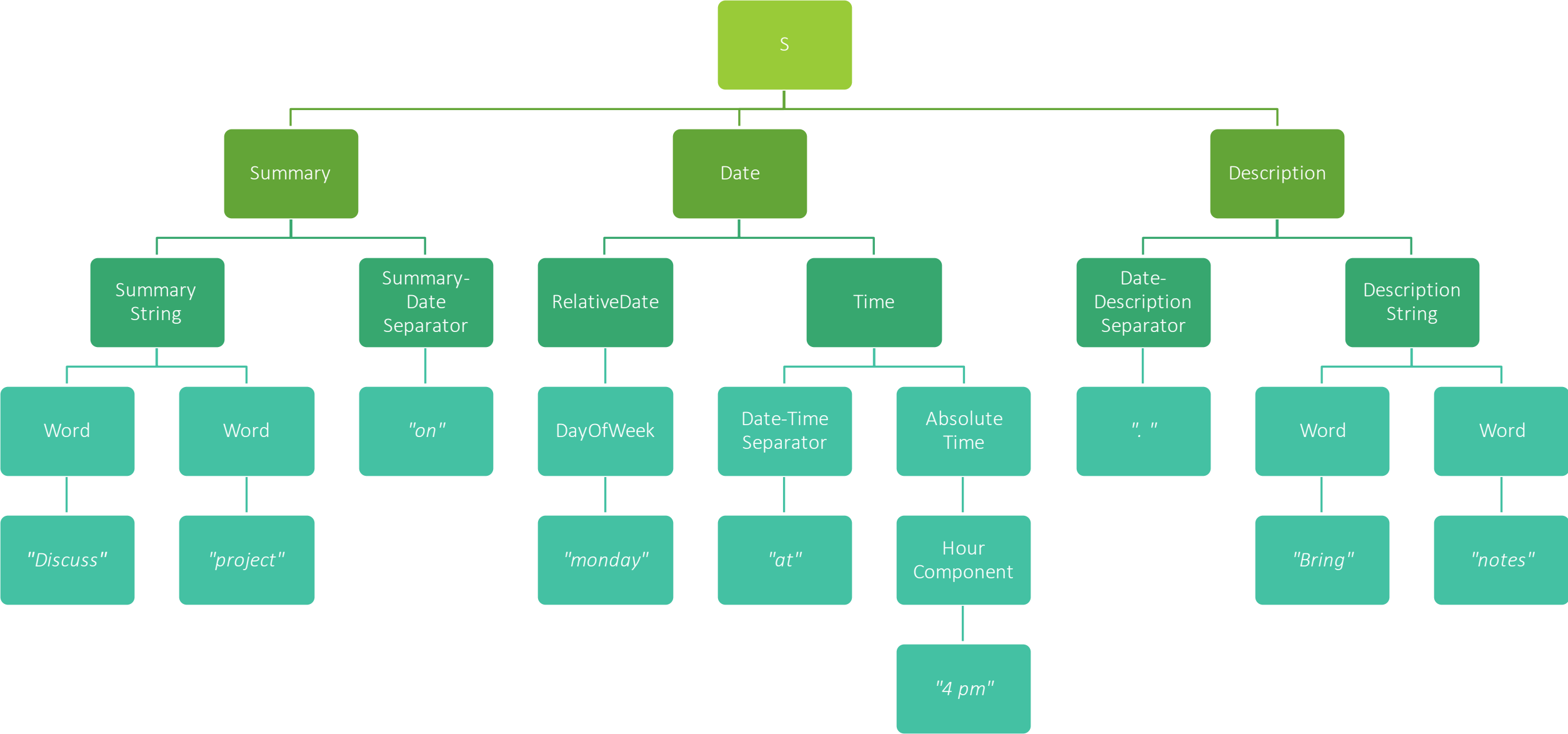
- SUMMARY: Discuss project
- DATE/TIME: Mon Apr 12 2021 4 PM
- DESCRIPTION: Bring notes

```
BEGIN:VCALENDAR
PRODID:Calendar
VERSION:2.0
BEGIN:VEVENT
UID:0@default
CLASS:PUBLIC
DTSTAMP;VALUE=DATE-TIME:20210413T042828
DTSTART;VALUE=DATE-TIME:20210412T160000
DTEND;VALUE=DATE-TIME:20210412T170000
SUMMARY;LANGUAGE=en-us:Discuss project
DESCRIPTION:Bring notes
TRANSP:TRANSPARENT
END:VEVENT
END:VCALENDAR
```

Implementation

Conversion is performed in three major steps:





Implementation

TODO mention something about having limited scope since there are an infinite different ways to say the same thing in natural language

Implementation

Written in JavaScript. Why?

- Cross-platform on desktop and mobile
- Runs client-side in any web browser
- Simple to integrate into new and existing websites

Testing

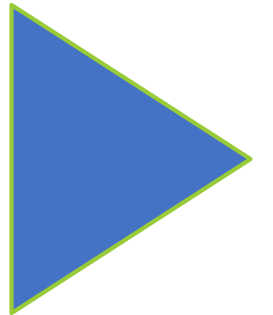
A combination of manual and automated tests were performed.

Ensures that for any acceptable input, the converter outputs a valid iCalendar file.

With an unacceptable input, an error is returned...

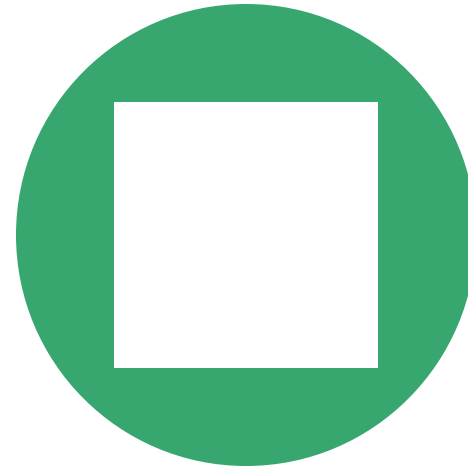
TODO

Demo





QUESTIONS?



TODO ASDF

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