

## **CodeSnap - Group 7**

### **SPRINT 3**

#### **EVENTIQUE**

An AI-Enhanced Event Planning Web Application

#### **Team Members**

Renugopal Sivaprakasam (11699653) (Team Lead, Architect, Backend Lead),

Sparsha Dandghanhalli Prakash (11684265) (Front End),

Soniya Kodipunjula (11708235) (QA),

Govind Asawa (11641270) (Frontend Lead, Backend),

Usha Chandrashekhar (11722182) (Front End),

Ruthvick Ravula (11653170) (Dev Ops)

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# Cover Page

## Product Vision

**For** anyone **who** is planning an event like a birthday party, wedding, or conference, **the** application Eventique is a web app **that** works on a browser on any device. It uses artificial intelligence to supercharge your event planning in minutes with a recommender, scheduler, organizer, and notification system. **Unlike** other event management companies (such as Cvent, EventPro, and Bizzabo) which don't have recommendation systems, are pricey and take a lot of time, **our** product provides a platform to design your event quickly in a way you would like within a few minutes.

## Github Repository

<https://github.com/regostar/eventique>

## Project URL: -

<https://frontend-web-6rk32a22ua-uc.a.run.app>

# Project Dashboard:

The screenshot shows a project dashboard with four columns:

- Backlog**: 0 / 3 Estimate: 0. This item is in the product backlog.
- To Do**: 0 Estimate: 0. This item is ready to be picked.
- In Progress**: 2 / 3 Estimate: 6. This item is being worked upon.
  - eventique #149 Task : Quality Assurance Medium 3 Task Sprint 3
  - eventique #150 Task : QA Editing Tasks from Calendar UI Medium 3 Task Sprint 3
- In review**: 0 / 5 Estimate: 0. This item is in review.

At the bottom, there are buttons for '+ Add item' and a 'Google Chrome' button.

## Active User Stories and Tasks

### USER Stories:

High level view: -

|                          |   | Author     | Label | Projects | Milestones | Assignee | Sort |
|--------------------------|---|------------|-------|----------|------------|----------|------|
| <input type="checkbox"/> | All Events on the Homepage  | User Story |       |          |            |          |      |
|                          | #63 by SparshaPrakash was closed 5 days ago   | Sprint 3   |       |          |            |          |      |
| <input type="checkbox"/> | Editing Tasks from Calendar UI on Home page   | User Story |       |          |            |          |      |
|                          | #59 by SparshaPrakash was closed 5 days ago   | Sprint 3   |       |          |            |          |      |
| <input type="checkbox"/> | Approve/Finalize Plan or Regenerate   | User Story |       |          |            |          |      |
|                          | #53 by regostar was closed 5 days ago   | Sprint 3   |       |          |            |          |      |
| <input type="checkbox"/> | Display in detail set of tasks for an Event   | User Story |       |          |            |          |      |
|                          | #47 opened on Mar 22 by regostar  | Sprint 3   |       |          |            |          |      |
| <input type="checkbox"/> | Notification Module - User is notified of upcoming event and it's task based on their opt-in status | User Story |       |          |            |          |      |
|                          | #7 opened on Feb 23 by regostar   | Sprint 3   |       |          |            |          |      |

URL: -

<https://github.com/regostar/eventique/issues?q=is%3Aissue+ milestone%3A%22Sprint+3%22+label%3A%22User+Story%22+>

### Completion Status: -

Completed

### All Tasks, User Stories, and Spikes high level view:

| Title   | Assignees  | Status  |
|---|--|---|
| 1 <input checked="" type="checkbox"/> Approve/Finalize Plan or Regenerate #53   |  Govind-Asawa, reg... ▾    | <span style="background-color: orange; border-radius: 50%; padding: 2px 5px;">Done</span> ▾                 |
| 2 <input checked="" type="checkbox"/> Display in detail set of tasks for an Event #47   |  Govind-Asawa and ... ▾    | <span style="background-color: lightblue; border-radius: 50%; padding: 2px 5px;">Quality Assurance</span> ▾ |
| 3 <input checked="" type="checkbox"/> Task : #47: Create UI to show Event details along with task overviews #129                            |  Govind-Asawa ▾            | <span style="background-color: lightblue; border-radius: 50%; padding: 2px 5px;">Quality Assurance</span> ▾ |
| 4 <input checked="" type="checkbox"/> Task : #67 : Frontend : Open a modal to create task when a calendar date is clicked on #68            |  | <span style="background-color: lightblue; border-radius: 50%; padding: 2px 5px;">Quality Assurance</span> ▾ |
| 5 <input checked="" type="checkbox"/> Spike : CD #120   |  ruthvick-ci and ruth... ▾ | <span style="background-color: lightblue; border-radius: 50%; padding: 2px 5px;">Quality Assurance</span> ▾ |
| 6 <input checked="" type="checkbox"/> Notification Module - User is notified of upcoming event and it's task based on their opt-in ... #7   |  regostar ▾                | <span style="background-color: lightblue; border-radius: 50%; padding: 2px 5px;">Quality Assurance</span> ▾ |
| 7 <input checked="" type="checkbox"/> Task : CD deploy frontend and backend docker files #121   |  regostar, ruthvick-c... ▾ | <span style="background-color: lightblue; border-radius: 50%; padding: 2px 5px;">Quality Assurance</span> ▾ |
| 8 <input checked="" type="checkbox"/> Task : #47: Implement api-endpoint to fetch particular event's details #130                           |  SoniyaKodipunjula ▾       | <span style="background-color: pink; border-radius: 50%; padding: 2px 5px;">To Do</span> ▾                  |
| 9 <input checked="" type="checkbox"/> Spike: #53 LLM Output Validation and JSON Formatting for Backend Integration #74                      |  Govind-Asawa ▾            | <span style="background-color: orange; border-radius: 50%; padding: 2px 5px;">Done</span> ▾                 |
| 10 <input checked="" type="checkbox"/> Task : # 53 Modify generate tasks UI to add re-prompt, regenerate and approve buttons in ... #71     |  Govind-Asawa and ... ▾    | <span style="background-color: orange; border-radius: 50%; padding: 2px 5px;">Done</span> ▾                 |
| 11 <input checked="" type="checkbox"/> Task : # 53 : Backend Modify existing API-endpoint or create a new end-point to regenerat... #72     |  regostar and Soniy... ▾   | <span style="background-color: orange; border-radius: 50%; padding: 2px 5px;">Done</span> ▾                 |
| 12 <input checked="" type="checkbox"/> Task: #59 Implement an API-endpoint that queries and returns a particular task #61                   |  Govind-Asawa ▾            | <span style="background-color: orange; border-radius: 50%; padding: 2px 5px;">Done</span> ▾                 |
| 13 <input checked="" type="checkbox"/> All Events on the Homepage #63   |  Govind-Asawa ▾          | <span style="background-color: orange; border-radius: 50%; padding: 2px 5px;">Done</span> ▾                 |
| 14 <input checked="" type="checkbox"/> Task: #59: Frontend: Design UI to show task details when a particular task is clicked on the ... #60 |  Govind-Asawa and ... ▾  | <span style="background-color: orange; border-radius: 50%; padding: 2px 5px;">Done</span> ▾                 |
| 15 <input checked="" type="checkbox"/> Task : Story: #63 Modify home page UI to accommodate a table to show events #64                      |  Usha-Chandrashekhar ▾   | <span style="background-color: orange; border-radius: 50%; padding: 2px 5px;">Done</span> ▾                 |
| 16 <input checked="" type="checkbox"/> Task : Story: #63: Frontend: Implement code in the frontend to display - tag of an event as ... #65  |  Govind-Asawa and ... ▾  | <span style="background-color: orange; border-radius: 50%; padding: 2px 5px;">Done</span> ▾                 |
| 17 <input checked="" type="checkbox"/> Task : #63 : Homepage: Add the ability to filter events based on the status #66                      |  Govind-Asawa ▾          | <span style="background-color: green; border-radius: 50%; padding: 2px 5px;">Backlog</span> ▾               |
| 18 <input checked="" type="checkbox"/> Task : #53: Create an API end-point that is called on approval/Finalization which saves the ... #73  |  regostar and Soniy... ▾ | <span style="background-color: orange; border-radius: 50%; padding: 2px 5px;">Done</span> ▾                 |
| 19 <input checked="" type="checkbox"/> Task: #59: Backend : Implement API-endpoint to update the task details #62                           |  Govind-Asawa ▾          | <span style="background-color: orange; border-radius: 50%; padding: 2px 5px;">Done</span> ▾                 |
| 20 <input checked="" type="checkbox"/> Editing Tasks from Calendar UI on Home page #59  |  Govind-Asawa ▾          | <span style="background-color: orange; border-radius: 50%; padding: 2px 5px;">Done</span> ▾                 |
| 21 <input checked="" type="checkbox"/> Approve/reprompt/re-generate Feature Frontend #115   |  | <span style="background-color: orange; border-radius: 50%; padding: 2px 5px;">Done</span> ▾                 |
| 22 <input checked="" type="checkbox"/> Task : Quality Assurance #149  |  SoniyaKodipunjula ... ▾ | <span style="background-color: pink; border-radius: 50%; padding: 2px 5px;">In Progress</span> ▾            |
| 23 <input checked="" type="checkbox"/> Task : QA Editing Tasks from Calendar UI #150  |  Usha-Chandrashekhar ▾   | <span style="background-color: pink; border-radius: 50%; padding: 2px 5px;">In Progress</span> ▾            |

## User Story 1: -

URL: <https://github.com/regostar/eventique/issues/63>

### All Events on the Homepage #63

SparshaPrakash opened this issue on Mar 24 · 1 comment

SparshaPrakash commented on Mar 24

As a user, I wish to see my events on the home page with the ability to filter on event status i.e., old, active, and upcoming so that I can quickly filter and navigate to the appropriate event.

Acceptance Criteria:

1. The table should at least have 2 columns event title and status
2. Longer event titles are either wrapped or trimmed.
3. The filter should have 3 radio buttons (old, active and upcoming)
4. There should be an option to clear the filter

SparshaPrakash mentioned this issue on Mar 24

Task : Story: #63 Modify home page UI to accommodate a table to show events #64

Open

SparshaPrakash added the **User Story** label on Mar 24

Assignees: Govind-Asawa

Labels: **User Story**

Projects: Eventique (Status: Done) +4 more

Milestone: Sprint 3

Development: Create a branch for this issue or link a pull request.

## Tasks related to this user story: -

### Task : Story: #63 Modify home page UI to accommodate a table to show events #64

Open SparshaPrakash opened this issue on Mar 24 · 0 comments

SparshaPrakash commented on Mar 24

Story: #63

SparshaPrakash added the **old task** label on Mar 24

regostar changed the title Task : Modify home page UI to accommodate a table to show events Task : Story: #63 Modify home page UI to accommodate a table to show events on Mar 25

regostar added **Task** and removed **old task** labels on Mar 25

regostar added this to Eventique on Mar 25

Assignees: Usha-Chandrashekhar

Labels: **Task**

Projects: Eventique (Status: Done) +4 more

Milestone: Sprint 3

## Task : Story: #63: Frontend: Implement code in the frontend to display - tag of an event as old/active/upcoming #65

[Edit](#) [New issue](#)

Closed SparshaPrakash opened this issue on Mar 24 · 0 comments

SparshaPrakash commented on Mar 24  
Story: #63

SparshaPrakash added the `old task` label on Mar 24

regostar changed the title Task : Implement code in the frontend to tag an event as old/active/upcoming Task : Story: #63: Frontend: Implement code in the frontend to display - tag of an event as old/active/upcoming on Mar 25

regostar added `Task` and removed `old task` labels on Mar 25

regostar added this to Eventique on Mar 25

Assignees: Govind-Asawa, SparshaPrakash

Labels: Task

Projects: Eventique (Status: Done)

Milestone: Sprint 3

## Tool: -

Events

| Event                            | Start Date                   | End Date                     | Status     |
|----------------------------------|------------------------------|------------------------------|------------|
| 10th Birthday Party For Your Son | Saturday, May 4th 07:00 pm   | Sunday, May 5th 06:50 am     | Upcoming   |
| Birthday Party                   | Sunday, April 28th 07:00 pm  | Monday, April 29th 06:59 pm  | Past       |
| Birthday Party                   | Sunday, April 28th 07:00 pm  | Monday, April 29th 06:59 pm  | Past       |
| Birthday Party                   | Wednesday, May 15th 12:00 am | Wednesday, May 15th 12:00 am | Upcoming   |
| In-Laws Surprise Party           | Sunday, May 19th 07:00 pm    | Monday, May 20th 06:59 pm    | Upcoming   |
| In-Laws Surprise Party           | Monday, May 20th 04:00 am    | Monday, May 20th 07:00 am    | Upcoming   |
| Birthday Party                   | Tuesday, April 30th 12:00 am | Tuesday, April 30th 11:59 pm | Inprogress |
| Surprise Party For In-Laws       | Friday, May 17th 06:00 pm    | Friday, May 17th 10:00 pm    | Upcoming   |

## User Story 2: -

URL: <https://github.com/regostar/eventique/issues/47>

## Display in detail set of tasks for an Event #47

[Open](#) regostar opened this issue on Mar 22 · 0 comments

[Edit](#) [New issue](#)

regostar commented on Mar 22 • edited by Govind-Asawa

As a user when I click on a Event link, a detailed view is displayed in a new page describing each task in that event. There could be multiple tasks scheduled at different times.

Acceptance Criteria:-

1. Display all tasks of the selected Event in a list.

regostar added this to Eventique on Mar 22

regostar moved this to Backlog in Eventique on Mar 22

Govind-Asawa removed this from Eventique on Mar 25

**Assignees**  
Govind-Asawa  
Usha-Chandrashekhar

**Labels**  
User Story

**Projects**  
Eventique

**Milestone**  
Sprint 3

### Tasks related to this User story: -

## Task : #47: Create UI to show Event details along with task overviews #129

[Open](#) SparshaPrakash opened this issue last week · 0 comments

[Edit](#) [New issue](#)

SparshaPrakash commented last week

Story: #47

SparshaPrakash added the Task label last week

SparshaPrakash added this to the Sprint 3 milestone last week

SparshaPrakash added this to Eventique last week

SparshaPrakash moved this to Backlog in Eventique last week

**Assignees**  
Govind-Asawa

**Labels**  
Task

**Projects**  
Eventique

**Milestone**  
Sprint 3

## Task : #47: Implement api-endpoint to fetch particular event's details #130

Open SparshaPrakash opened this issue last week · 0 comments

Edit New issue

The screenshot shows a Jira issue page for task #47. At the top, it says "SparshaPrakash commented last week". Below this is a timeline of events:

- Story: #47
- SparshaPrakash added the **Task** label last week
- SparshaPrakash added this to the **Sprint 3** milestone last week
- SparshaPrakash added this to **Eventique** last week
- SparshaPrakash moved this to Backlog in **Eventique** last week

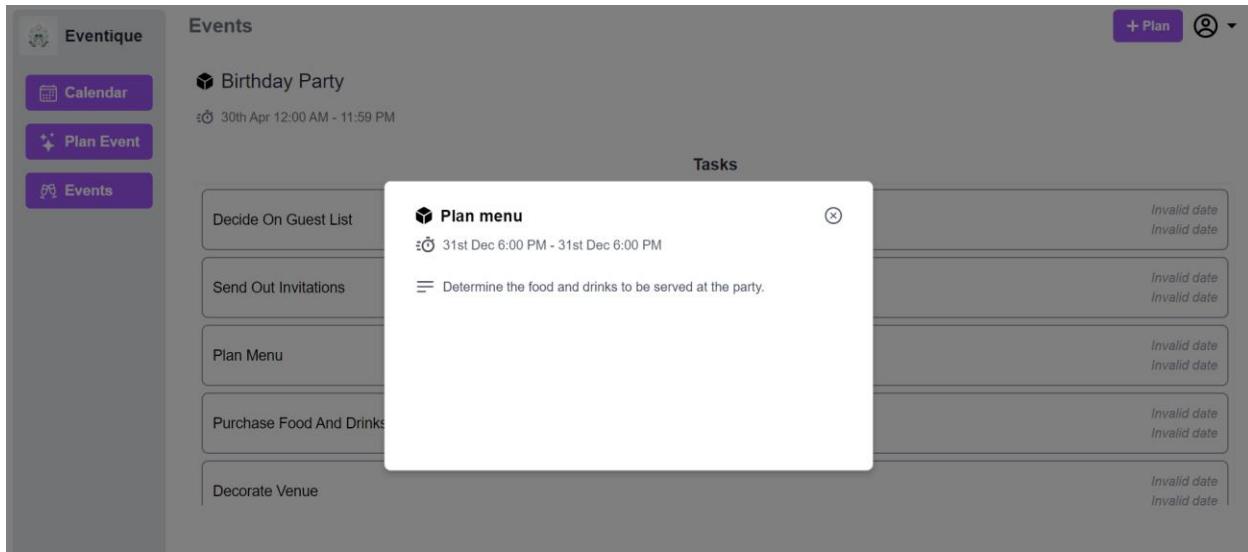
On the right side, there are sections for Assignees (SoniyaKodipunjula), Labels (Task), Projects (Eventique, Status: To Do), and Milestone (Sprint 3).

### Tool: -

The screenshot shows the Eventique web application. The left sidebar has buttons for **Calendar**, **Plan Event**, and **Events**. The main area is titled "Events" and shows a single event: "Birthday Party" on April 30th from 12:00 AM to 11:59 PM.

Below the event, there is a "Tasks" section with the following items:

| Task                     | Status                       |
|--------------------------|------------------------------|
| Decide On Guest List     | Invalid date<br>Invalid date |
| Send Out Invitations     | Invalid date<br>Invalid date |
| Plan Menu                | Invalid date<br>Invalid date |
| Purchase Food And Drinks | Invalid date<br>Invalid date |
| Decorate Venue           | Invalid date<br>Invalid date |



### User Story 3: -

URL: <https://github.com/regostar/eventique/issues/53>

#### Approve/Finalize Plan or Regenerate #53

Closed regostar opened this issue on Mar 24 · 1 comment

regostar commented on Mar 24

Terminology used : Plan - For an Event, a Plan is created with multiple Tasks

As a user after I've generated a list of tasks I wish to have the flexibility to re-prompt, regenerate the plan or add all the tasks to my calendar on user approval/finalization

**Acceptance Criteria:**

1. The input field is **disabled** after task generation.
2. The user should have 3 buttons, re-prompt, re-generate and approve
3. **Re-prompt** should allow users to start fresh
4. **Re-generate** tries to generate a new plan with the same prompt
5. **Approve** should finalize the tasks by storing the details in a database

Initial version -> Chatbot is not fully conversational. We regenerate without taking any additional prompts.  
Having the conversational history and prompting again will come in next version or a separate user story

Assignees

- regostar
- Govind-Asawa
- SparshaPrakash

Labels

- User Story

Projects

- Eventique

Status: Done

Milestone

Sprint 3

### Tasks related to this User story: -

## Task : # 53 Modify generate tasks UI to add re-prompt, regenerate and approve buttons in the same chatbot screen. #71

[Edit](#) [New issue](#)

 **Closed** SparshaPrakash opened this issue on Mar 24 · 2 comments

SparshaPrakash commented on Mar 24

Story: #53



SparshaPrakash added the **old task** label on Mar 24

Govind-Asawa changed the title **Task : Modify generate tasks UI to add regenerate and approve buttons in the same chatbot screen: Task : Modify generate tasks UI to add re-prompt, regenerate and approve buttons in the same chatbot screen.** on Mar 25

regostar changed the title **Task : Modify generate tasks UI to add re-prompt, regenerate and approve buttons in the same chatbot screen: Task : # 53 Modify generate tasks UI to add re-prompt, regenerate and approve buttons in the same chatbot screen.** on Mar 25

Assignees

Govind-Asawa  
SparshaPrakash

Labels

**Task**

Projects

Eventique  
Status: Done ▾ +4 more

Milestone

Sprint 3

## Task : # 53 : Backend Modify existing API-endpoint or create a new end-point to regenerate the tasks #72

[Edit](#) [New issue](#)

 **Closed** SparshaPrakash opened this issue on Mar 24 · 2 comments

SparshaPrakash commented on Mar 24

Story: #53



SparshaPrakash added the **old task** label on Mar 24

regostar changed the title **Task : Modify existing API-endpoint or create a new end-point to regenerate the tasks Task : # 53 : Backend Modify existing API-endpoint or create a new end-point to regenerate the tasks** on Mar 25

regostar added **Task** and removed **old task** labels on Mar 25

regostar added this to **Eventique** on Mar 25

Assignees

regostar  
SonikaKodipunjula

Labels

**Task**

Projects

Eventique  
Status: Done ▾ +4 more

Milestone

Sprint 3

## Task : #53: Create an API end-point that is called on approval/Finalization which saves the event data to the system. #73

[Edit](#) [New issue](#)

[Closed](#)

SparshaPrakash opened this issue on Mar 24 · 4 comments

SparshaPrakash commented on Mar 24

Story: #53

...

SparshaPrakash added the **old task** label on Mar 24

regostar added **Task** and removed **old task** labels on Mar 25

regostar added this to **Eventique** on Mar 25

regostar moved this to Backlog in **Eventique** on Mar 25

Assignees

regostar

SoniyaKodipunjula

Labels

**Task**

Projects

Eventique

Status: Done

+4 more

Milestone

Sprint 3

### Spikes related to this User story: -

## Spike: #53 LLM Output Validation and JSON Formatting for Backend Integration #74

[Edit](#) [New issue](#)

[Closed](#)

SparshaPrakash opened this issue on Mar 24 · 1 comment

SparshaPrakash commented on Mar 24 • edited by Govind-Asawa

Story: #53

...

SparshaPrakash added the **Spike** label on Mar 24

SparshaPrakash changed the title Spike - LLM Output Validation and JSON Formatting for Backend Integration Spike: LLM Output Validation and JSON Formatting for Backend Integration on Mar 24

Assignees

Govind-Asawa

Labels

**Spike**

Projects

Eventique

Status: Done

+4 more

Milestone

Sprint 3

## Tool: -

The screenshot shows the Eventique app interface. On the left, there's a sidebar with icons for Calendar, Plan Event, and Events. The main area is titled "Plan Event" and has a sub-section titled "Create Event Plan". Below it, there are several steps listed in a grid format:

- Create Event Plan (28th Apr, Sun 12:00 am; 29th Apr, Mon 12:00 am)
- Select Venue (30th Apr, Tue 12:00 am; 1st May, Wed 12:00 am)
- Plan Menu (1st May, Wed 12:00 am; 2nd May, Thu 12:00 am)
- Purchase Supplies (2nd May, Thu 12:00 am; 3rd May, Fri 12:00 am)
- Decorate Venue (4th May, Sat 12:00 am; 4th May, Sat 12:00 am)
- Prepare Food And Drinks (4th May, Sat 12:00 am; 4th May, Sat 12:00 am)

At the bottom, a note says: "Plan for birthday party on 4th May, 2024. Make minimal plan get allow 10 people gathering. I intend to have both vegan and non-vegan food, so include some". There are three buttons: a blue one with a circular arrow, a green one with a checkmark, and a red one with a checkmark.

## User Story 4: -

URL: <https://github.com/regostar/eventique/issues/59>

### Editing Tasks from Calendar UI on Home page #59

This is a screenshot of a GitHub issue card for pull request #59. At the top right are "Edit" and "New issue" buttons. The issue title is "Editing Tasks from Calendar UI on Home page #59". A "Closed" button indicates the issue is resolved, with a note: "SparshaPrakash opened this issue on Mar 24 · 1 comment".

The main body of the issue contains a comment from SparshaPrakash:

As a user, I want the ability to edit tasks from the calendar UI so that I have ease of use.

Acceptance Criteria:

1. A tasks panel/modal opens when the user clicks on a task
2. The panel is pre-filled with task data
3. The user must be shown which event the task belongs to
4. The user cannot change the event to which the task belongs
5. Changes are reflected on the calendar.

On the right side, there are sections for "Assignees" (Govind-Asawa), "Labels" (User Story), "Projects" (Eventique), "Status: Done", "Milestone" (Sprint 3), and "Sprint 3".

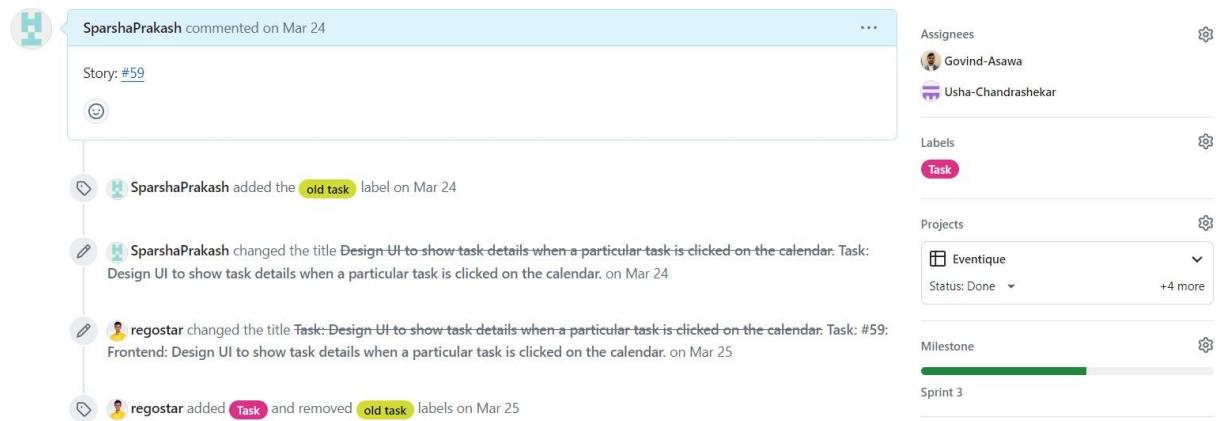
Below the main comment, another comment is shown:

SparshaPrakash commented on Mar 24  
SparshaPrakash added the User Story label on Mar 24

## Tasks related to this User story: -

Task: #59: Frontend: Design UI to show task details when a particular task is clicked on the calendar. #60

 Closed SparshaPrakash opened this issue on Mar 24 · 0 comments



Story: #59

SparshaPrakash added the **old task** label on Mar 24

SparshaPrakash changed the title **Design UI to show task details when a particular task is clicked on the calendar.** Task: Design UI to show task details when a particular task is clicked on the calendar. on Mar 24

regostar changed the title **Task: Design UI to show task details when a particular task is clicked on the calendar.** Task: #59: Frontend: Design UI to show task details when a particular task is clicked on the calendar. on Mar 25

regostar added **Task** and removed **old task** labels on Mar 25

Assignees: Govind-Asawa, Usha-Chandrashekhar

Labels: Task

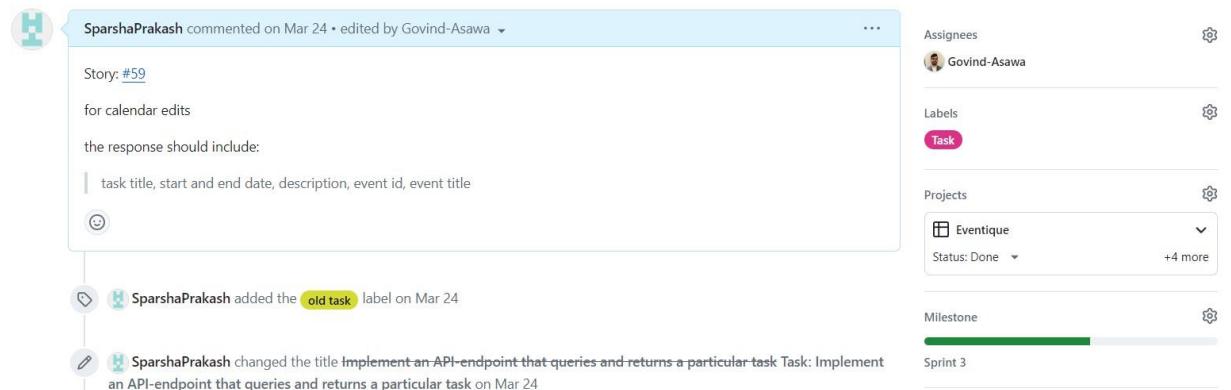
Projects: Eventique

Status: Done

Milestone: Sprint 3

Task: #59 Implement an API-endpoint that queries and returns a particular task #61

 Closed SparshaPrakash opened this issue on Mar 24 · 0 comments



Story: #59

for calendar edits

the response should include:

task title, start and end date, description, event id, event title

SparshaPrakash added the **old task** label on Mar 24

SparshaPrakash changed the title **Implement an API-endpoint that queries and returns a particular task** Task: Implement an API-endpoint that queries and returns a particular task on Mar 24

Assignees: Govind-Asawa

Labels: Task

Projects: Eventique

Status: Done

Milestone: Sprint 3

## Task: #59: Backend : Implement API-endpoint to update the task details #62

 Closed

SparshaPrakash opened this issue on Mar 24 · 0 comments

SparshaPrakash commented on Mar 24

Story: #59

SparshaPrakash added the **old task** label on Mar 24

SparshaPrakash changed the title **Implement API-endpoint to update the task details** Task: Implement API-endpoint to update the task details on Mar 24

regostar changed the title **Task: Implement API-endpoint to update the task details** Task: #59: Backend : Implement API-endpoint to update the task details on Mar 25

Assignees: Govind-Asawa

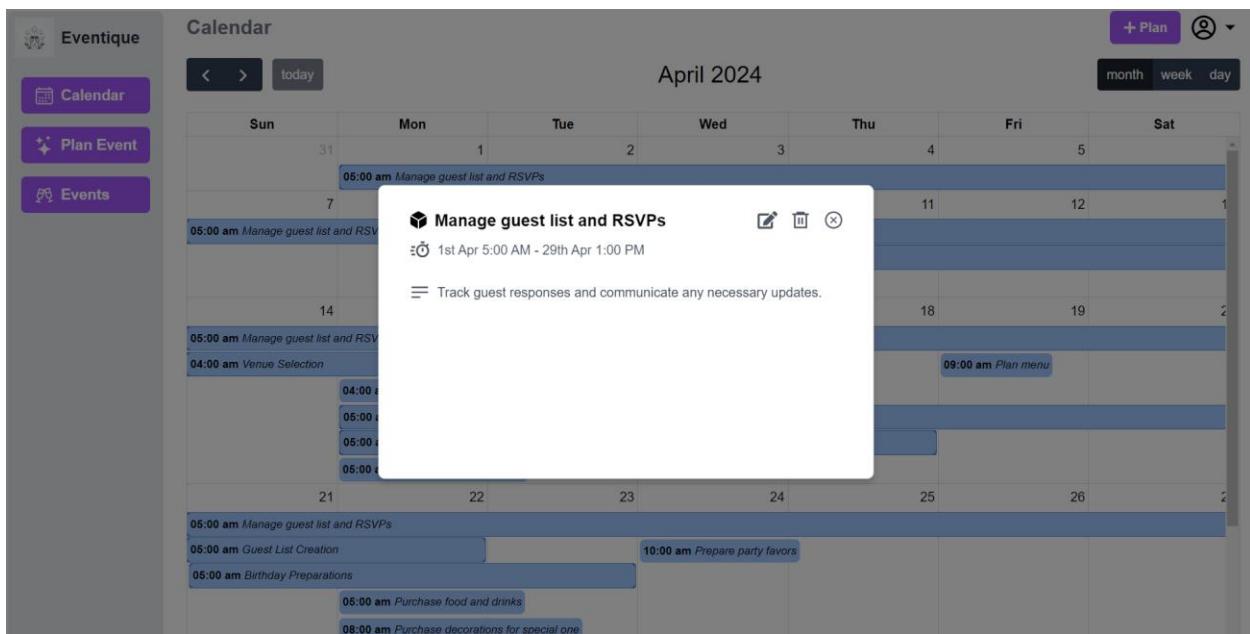
Labels: Task

Projects: Eventique

Status: Done

Milestone: Sprint 3

## Tool: -



The screenshot shows the Eventique calendar application for April 2024. The sidebar includes 'Eventique' logo, 'Calendar' (selected), 'Plan Event', and 'Events'. The main view shows a weekly grid from Sunday to Saturday. A tooltip for a task on April 1st is displayed:

**Manage guest list and RSVPs**  
1st Apr 5:00 AM - 29th Apr 1:00 PM  
Track guest responses and communicate any necessary updates.

Other visible tasks include:

- 7th: 05:00 am Manage guest list and RSVPs
- 14th: 04:00 am Venue Selection (with time slots 04:00, 05:00, 05:00, 06:00)
- 21st: 05:00 am Manage guest list and RSVPs, 05:00 am Guest List Creation, 05:00 am Birthday Preparations, 05:00 am Purchase food and drinks, 08:00 am Purchase decorations for special one
- 24th: 10:00 am Prepare party favors
- 25th: 09:00 am Plan menu

The screenshot shows a web browser window for the Eventique application. The URL is [frontend-web-6rk32a2ua-uc.a.run.app/tasks/25](https://frontend-web-6rk32a2ua-uc.a.run.app/tasks/25). The page title is "Eventique". On the left, there's a sidebar with three buttons: "Calendar" (selected), "Plan Event", and "Events". The main content area has a heading "Manage guest list and RSVPs" with a subtitle "Event: Birthday Party". It shows a date range from "Monday, April 1st 05:00 am" to "Monday, April 29th 01:00 pm". Below this, there's a note: "Track guest responses and communicate any necessary updates." At the top right, there are "Update" and "Cancel" buttons.

## User Story 5: -

**URL:** <https://github.com/regostar/eventique/issues/7>

Notification Module - User is notified of upcoming event and it's task based on their opt-in status #7

[Open](#) regostar opened this issue on Feb 23 · 1 comment

The GitHub issue page for #7 shows a comment from regostar. The comment text is: "As a user of Eventique, I want a notification system implemented within the application, So that I can receive updates on my current tasks, upcoming agenda items, and timely reminders via my preferred communication methods. This will assist the user in staying organized and on track with event planning responsibilities." Below this, there's a section titled "Acceptance Criteria:" with a numbered list of requirements. To the right of the comment, there are several metadata fields: Assignees (regostar), Labels (User Story), Projects (Eventique), Status (Quality Assurance), Milestone (Sprint 3), Development (Create a branch for this issue or link a pull request), and Notifications (Customize).

**Acceptance Criteria:-**

1. Opt-in Feature: Users must have the option to opt-in to the notification system to start receiving updates.
2. Notification Content: Notifications should include information on current tasks, upcoming agenda items, and reminders relevant to the user's event planning activities.
3. Primary Notification Method: The initial phase of the notification system will use email as the primary method of communication.
4. (Optional) Future Integration: The system should be designed with the capability to integrate SMS and WhatsApp notifications in future updates, allowing users more flexibility in how they receive notifications.
5. (Optional) Message can be customized by the user otherwise automatically generated by the AI
6. The notification system should comply with data privacy regulations and ensure the security of user information.
7. 1 email should be sent notifying the user that the event creation is successful. One more email should be sent on the day of the event.

**Story Points:-**  
8

Spike : Using Event Driven Architecture #152

 **Open** regostar opened this issue 9 minutes ago · 0 comments

**reqostar** commented 9 minutes ago

• • •

## Story: #7

We need to send email asynchronously scheduled to be sent at a specific time.



Task : Implement Microservice for Email #153

 Open regostar opened this issue 5 minutes ago · 0 comments

[Edit](#) [New issue](#)



**regostar** commented 5 minutes ago

## Assignees



## Story: #7

- ## Tech Stack:-



Task

Projects



Eventique

Page 3

**Output:** -

## Independent Spikes and Tasks

### Spike : CD #120

[Edit](#) [New issue](#)

[Open](#)

regostar opened this issue last week · 0 comments



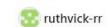
regostar commented last week

Deploy to Google Cloud Function when we merge to develop or main.

```
└── backend
    ├── api_server
    └── cloud_functions
        └── email
            ├── main.py
            ├── README.md
            ├── requirements.txt
            ├── .gcloudignore
            ├── test1.py
            ├── .dockerrcignore
            ├── .env
            ├── app.log
            ├── docker-compose.yml
            ├── Dockerfile
            └── README.md
```

```
4
5
6 from flask import jsonify
7 import os
8     You, 2 days ago * version 1
9 from sendgrid import SendGridAPIClient
10 from sendgrid.helpers.mail import Mail
11
12 # Demo function
13 def send_email(request):
14     """HTTP Cloud Function to be triggered by
15     data = request.get_json() or {}
16     recipient_email = data.get('recipient',
17     subject = data.get('subject', subject)
18     content = data.get('content', content)
19
20     sendgrid_api_key = os.getenv('SENDGRID_A
21     sender_email = os.getenv('SENDER_EMAIL')
```

Assignees



ruthvick-rr

Labels

None yet

Projects



Eventique

Status: Quality Assurance ▾ +4 more

Milestone

Sprint 3

Development

Create a branch for this issue or link a pull request.

### Task : CD deploy frontend and backend docker files #121

[Edit](#) [New issue](#)

[Open](#)

regostar opened this issue last week · 1 comment



regostar commented last week

The task is to Continuously deploy to the Google Cloud Run (Serverless env) when we merge to main or develop.  
The server should be automatically restarted.

Command to push backend to Google cloud run

**TO PUSH TO CLOUD RUN:-**

```
docker build -t us-south1-docker.pkg.dev/bamboo-theorem-415222/eventique-backend/backend-web -f Dockerfile --platform linux/x86_64.
```

```
docker push us-south1-docker.pkg.dev/bamboo-theorem-415222/eventique-backend/backend-web
```



regostar added this to Eventique last week

Assignees



regostar



ruthvick-rr



ruthvick-ci

Labels

None yet

Projects



Eventique

Status: Quality Assurance ▾ +4 more

Milestone

Sprint 3

## Task : Setup Development and Staging Server #154

Edit New issue

Open regostar opened this issue 1 minute ago · 0 comments

The screenshot shows a Jira issue page for task #154. The title is "Task : Setup Development and Staging Server #154". The status is "Open". The description is "Setup Cloudrun instance, CI + CD for Staging and Development environments. Branch - staging, develop". There are several comments from the user "regostar": one about setup, one about branch, and five activity logs showing additions of labels (Task), assignment to self and two others, moving the task between backlog and to-do lists, and adding it to a sprint. To the right of the comments are sections for "Assignees" (regostar, ruthwick-rr, ruthwick-ci), "Labels" (Task), and "Projects" (Eventique). The Eventique project details include status (Quality Assurance), priority (High), size (M), and estimate (5).

## Summary of Scrum Meetings

### 10<sup>th</sup> April, Wednesday @ 10.05PM (Zoom) | None Absent

- It was the first scrum call after the sprint planning call on Friday 5th in-person.
- Approve/regenerate/re-prompt user story was taken up.
- started working on the front-end task of showing a Task model when a suggested task is clicked.
- Editing tasks user story was picked and frontend work of creating a form has been started
- Work of prompt engineering the LLM has been picked

### 13<sup>th</sup> April, Saturday @ 10.05PM (Zoom) | None Absent

- Completed prompt engineering. The LLM returned a response in the expected JSON format.
- A few implementation gaps were found in the approve/regen frontend. So, added another developer to help with it.
- A few blockers in Task modal were discussed and an appropriate solution was found.
- Editing tasks feature was under progress.
- Started implementing api-endpoints for approve and regenerate

### 15<sup>th</sup> April, Monday @10.05PM (Zoom) | None Absent

- Completed Frontend implementation of chat page.

- Completed implementing api-endpoints for approving and regenerating tasks. Almost completed testing req/resp cycle for the chatpage.
- Completed the front-end for editing tasks. Started implementing api-endpoints for retrieving, editing and deleting tasks.
- Edited Task Modal to show edit and delete options when user clicks a task on the calendar.
- Implemented api-endpoint to retrieve event details

**17<sup>th</sup> April, Tuesday @10.05 (Zoom) | None Absent**

- Completed implementing api-endpoints for retrieving, editing and deleting tasks.
- Updated login api-endpoint to send user ID upon successful login.
- Started implementation of events on homepage feature.
- Started Updating CI pipeline in the semaphore tool.
- Started deployment of the project on cloud.
- Started setting up various environments (development, staging and production) in GCP.

**19<sup>th</sup> April, Friday @10.05 (in-person, @DP) Adhoc | None Absent**

- Discussed blocker issues in writing the logic for determining status of an event.
- Discussed needed updates to this user story's UI
- Discussed blockers when trying to deploy front-end and backend. We were unable to make API calls due to some network setting issues.
- Made a few UX updates to the chatpage screen.

**22<sup>nd</sup> April, Monday @ 10.05pm (Zoom) | Absent: None**

- Completed implementing and testing Events on homepage user-story.
- Started initial research for implementation of the notification user story.
- Resolved network issue blocker in the cloud deployment platform.
- Discussed possible reasons for high delays in receiving the response from backend.
- Completed the CI pipeline for front-end.

**24<sup>th</sup> April, Wednesday @ 10.05pm (Zoom) | Absent: None**

- It was found that notifications can be implemented as a microservice using cloud functions.
- Started implementing a detailed Event page view which is revealed when an event link is clicked.
- Almost completed creating separate Development, staging and production environments in the cloud.
- Started working on the presentation to be delivered on 26<sup>th</sup> i.e., Friday.

**27<sup>th</sup> April, Saturday @ 10.05pm (Zoom) | Absent: None**

- Completed implementing the detail events page.

- Almost completed manual high-level testing of the product before deployment and release to the main branch
- Reduced the long delays in the product that was deployed to the cloud.
- Completed implementing notification user story.

**29<sup>th</sup> April, Monday @ 12.30pm (in-person, @DP) | Absent: None**

- Completed deployment testing.

## Summary of Scrum Review Meeting

### **Strengths: -**

- Completing the committed user stories, better planning and execution of the tasks. Good split of tasks, spikes and user stories.
- Setup a Basic version of CI/CD Pipeline which helped us streamline development efforts.
- Logging pipeline setup enables us to detect bugs even before customers experience it.
- Improving collaboration by dockerizing the project so that the project runs on everyone's systems irrespective of the underlying OS.
- Team members learnt to use GIT and started to get comfortable with creating Pull Requests and requesting for review before merging anything.

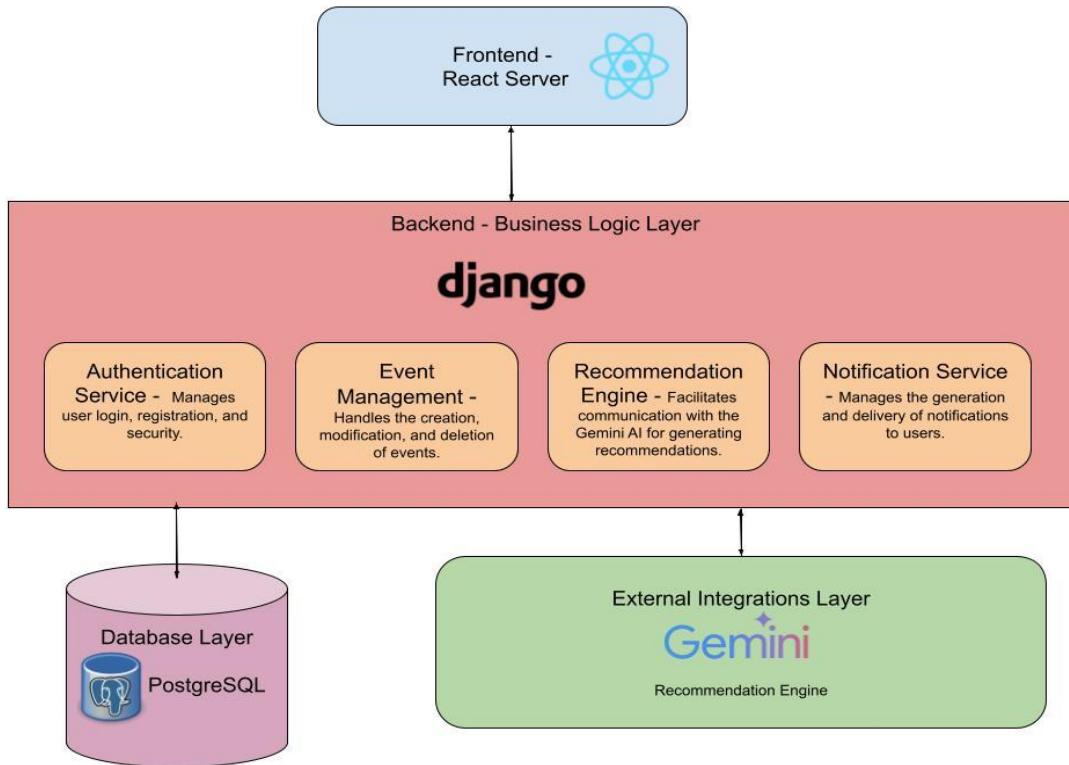
### **Weakness: -**

Better presentation required during the sprint review call with TA.  
Need to improve integration of frontend and backend tasks seamlessly.

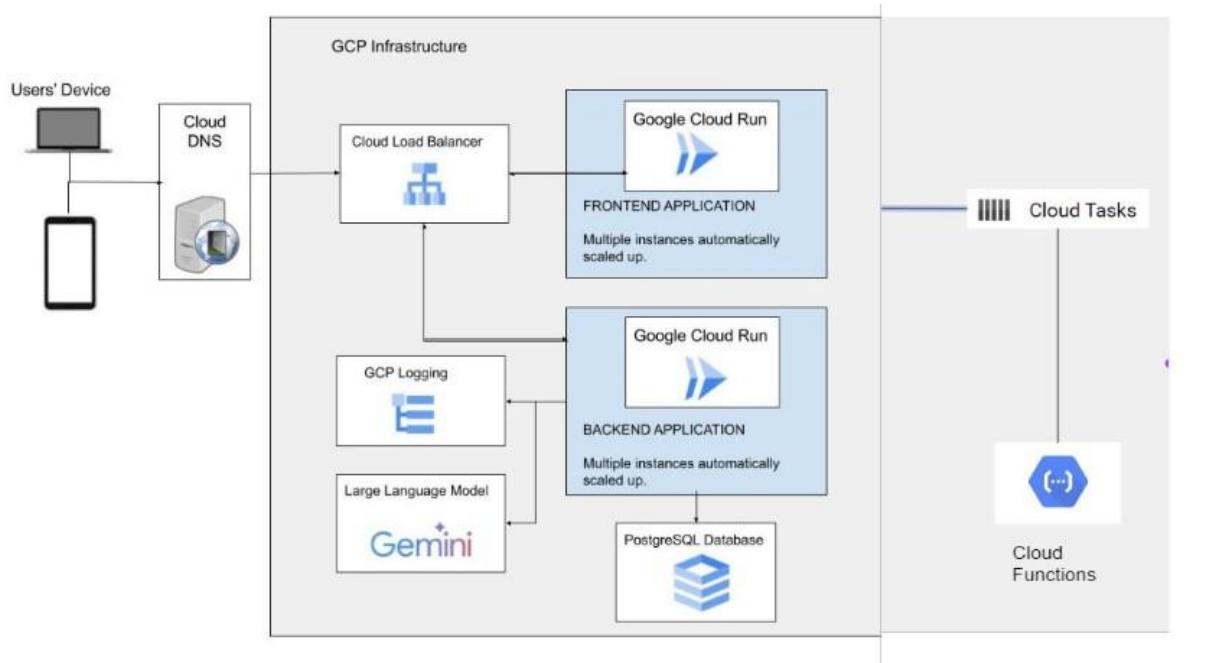
### **Steps to improve: -**

Proper rehearsal of what exactly we are going to discuss. Going from top to bottom from user stories. Giving a business overview instead of technical explanations. Help everyone in the team present during demos.

## Software Architecture – Layered Architecture



# Cloud Infrastructure



Backend communicates with Frontend via Load Balancer (Nginx)

## High-Level Design (HLD)

### 1. Frontend (React.js)

- Calendar View: Display tasks and events, with options to create, edit, and view in detail.
- Event and Task Management: Interfaces to manage the specifics of each event and task.
- Recommendation Engine Interface: Integrates with Gemini AI to provide event plan suggestions.
- Notification Panel: Displays upcoming events and task notifications. (sprint 3)

### 2. Backend (Django)

API Endpoints:

- Authentication (login, logout, register)
- Event CRUD operations
- Task CRUD operations
- Notification management
- Recommendation system integration

Business Logic:

- User authentication and authorization
- Event scheduling and management logic
- Task tracking and updates
- Notification triggering based on user preferences and event/task timings
- Recommendation engine interaction for generating event plans

### **3. Database (PostgreSQL)**

Tables: User, Event, Task, Notification

Relationships and indices designed for optimal query performance

### **4. Integration with Gemini AI**

- Communicates with the backend to receive event data and user preferences
- Processes the data to provide intelligent recommendations for event planning

### **5. Deployment and Operations**

- Containerization: Application components (frontend, backend, database) are containerized using Docker.
- Continuous Integration/Continuous Deployment (CI/CD):
- CI with Semaphore to automate testing and build processes.
- CD for automated deployment of Docker images to Google Cloud Run, ensuring seamless updates and scalability.

### **6. Security and Compliance**

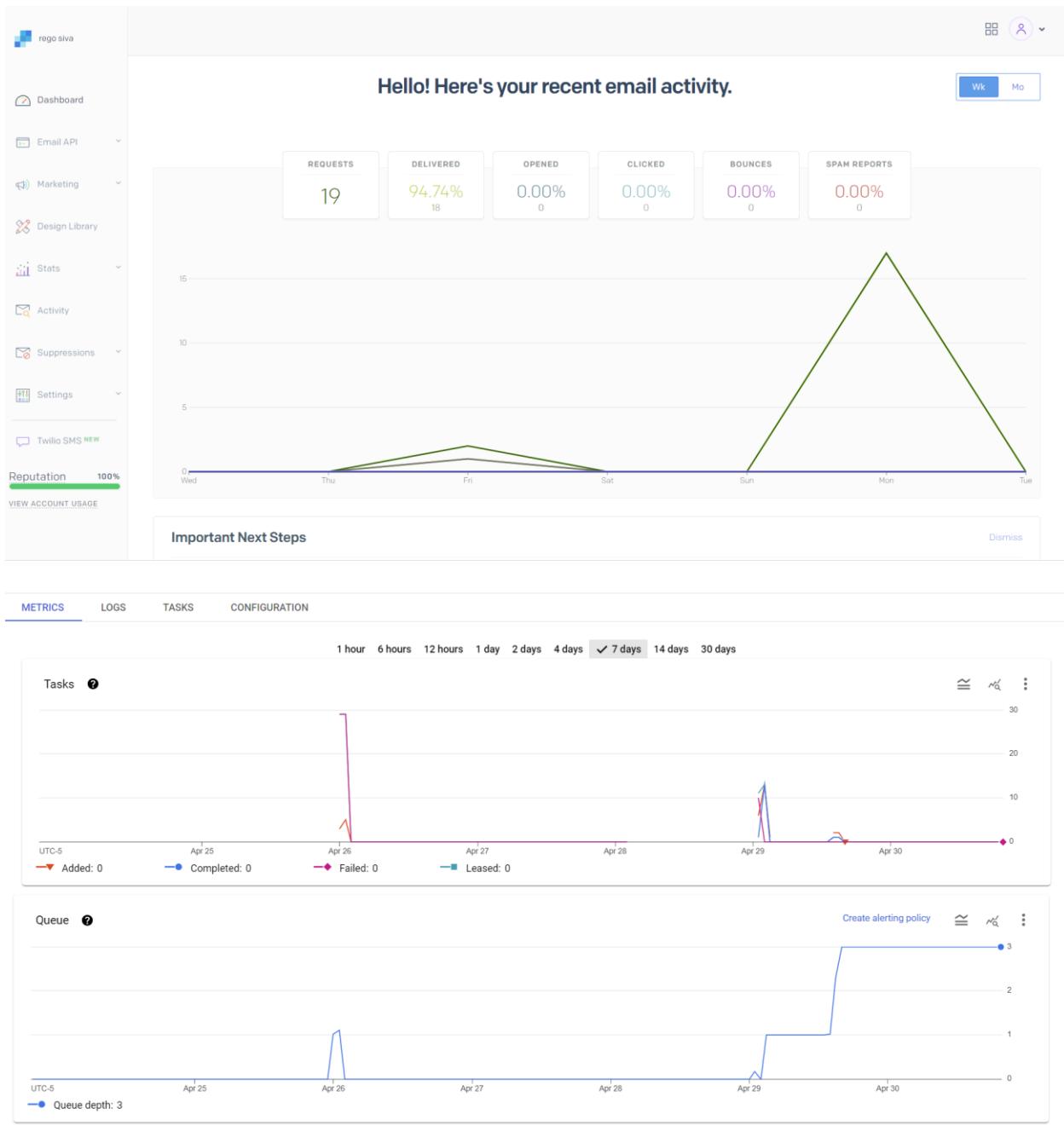
- Implement standard security practices (HTTPS, data encryption, user authentication and authorization, regular security updates).

### **7. Notification Microservice**

Implement Task Queues on GCP. This allows us to schedule cron tasks. When the schedule time is reached, a trigger of POST request is made to Google Cloud Function. The GCF sends email using SendGrid SMTP server.

## Notification Microservice Design -

### SendGrid -



Task Queue

Google Cloud | CodeSnap | cloud task | Search | 32 | ? | R

[Queue details](#) | [REFRESH](#) | [EDIT QUEUE](#) | [PAUSE QUEUE](#) | [DELETE QUEUE](#) | [PURGE QUEUE](#)

[email-queue](#)

|                         |              |                     |                    |   |
|-------------------------|--------------|---------------------|--------------------|---|
| Location<br>us-central1 | Type<br>Push | Tasks in queue<br>3 | Tasks running<br>0 | Completed in last minute <a href="#">?</a><br>0 |
|-------------------------|--------------|---------------------|--------------------|---|

METRICS LOGS TASKS **CONFIGURATION**

Location us-central1

**Rate limits**

|                |       |
|----------------|-------|
| Max rate       | 500/s |
| Max concurrent | 1000  |
| Max burst size | 100   |

**Retry parameters**

|                    |           |
|--------------------|-----------|
| Max attempts       | 2         |
| Min interval       | 0.100s    |
| Max interval       | 3600s     |
| Max doublings      | 16        |
| Max retry duration | Unlimited |

## GCF

Google Cloud | CodeSnap | Search (/) for resources, docs, products, and more | Search | 32 | ? | R

[Cloud Functions](#) | [Function details](#) | [EDIT](#) | [DELETE](#) | [COPY](#) | [LEARN](#) | [C](#)

[send\\_email](#) 1st gen | Version Version 12, deployed at Apr 26, 2024, 12:20:12... ▾

METRICS DETAILS SOURCE VARIABLES TRIGGER PERMISSIONS LOGS TESTING

Dashboard Predefined | 1 hour 6 hours 12 hours 1 day 2 days 4 days **7 days** 14 days 30 days

**Invocations/Second** | Execution time

**Memory utilization** | Instance count

**Execution time** | **50% 95% 99%**

Google Cloud CodeSnap Search (/) for resources, docs, products, and more

Cloud Functions Function details EDIT DELETE COPY LEARN R

send\_email 1st gen Version Version 12, deployed at Apr 26, 2024, 12:20:12 ...

METRICS DETAILS SOURCE VARIABLES TRIGGER PERMISSIONS LOGS TESTING DOWNLOAD ZIP

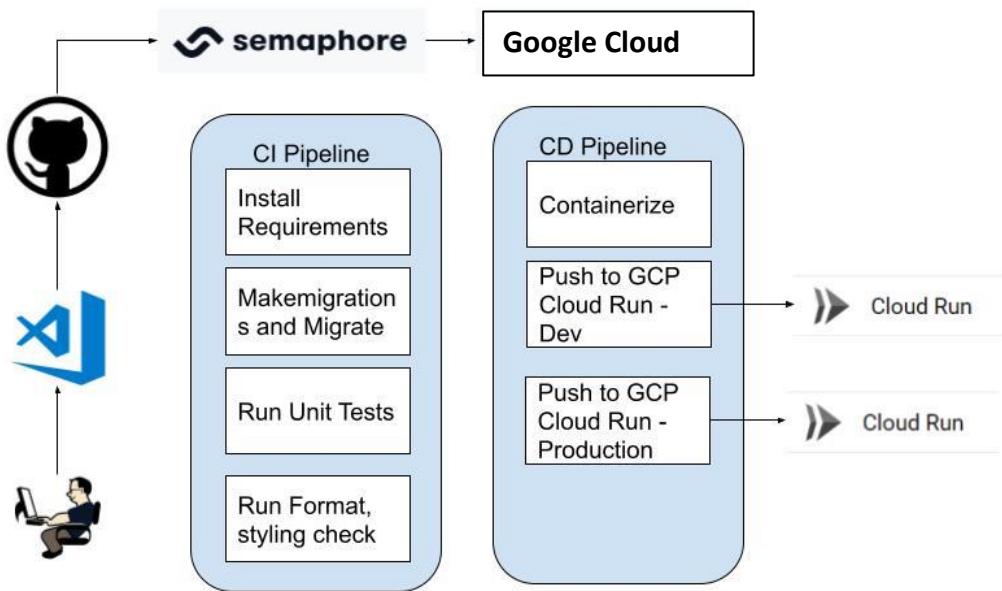
Runtime: Python 3.9 Entry point: send\_email EDIT

```
1 # to test on local
2 # from dotenv import load_dotenv
3 # load_dotenv()
4
5
6 from flask import jsonify
7 import os
8 from sendgrid import SendGridAPIClient
9 from sendgrid.helpers.mail import Mail
10
11 # Demo function
12 def send_email(request):
13     """HTTP Cloud Function to be triggered by HTTP."""
14     data = request.get_json() or {}
15     recipient_email = data.get('recipient')
16     subject = data.get('subject')
17     content = data.get('content')
18     print(recipient_email, subject, content)
19
20     sendgrid_api_key = os.getenv('SENDGRID_API_KEY')
21     sender_email = os.getenv('SENDER_EMAIL')
22
23     print(sendgrid_api_key, sender_email)
24
25     message = Mail(
26         from_email=sender_email,
27         to_emails=recipient_email,
28         subject=subject,
29         plain_text_content=content)
```

# CI/CD Pipeline

## Semaphore Tool is integrated with GitHub

- Build, Test, Linting, Generating Migration files, etc



Semaphore - A CI/CD solution to streamline developer workflows.

During every pull request, the CI pipeline is automatically run. The unit tests are run and it outputs if it failed or succeeded. Test Build is also done.

The screenshot shows the Semaphore CI interface. At the top, there are navigation links for Home, Projects, Create new, Feedback, Help, and user profile. Below this, the project details are shown: Project [eventique](#), Pull Request [Dev test](#), triggered by a push from regostar a day ago. The pipeline name is 'Initial Pipeline'. The pipeline consists of two stages: 'Build' (Pip) and 'Migrations and Test' (Test migrations). The total duration is 01:01. A 'Rerun' button is available at the top right.

This screenshot shows the Visual Builder interface for the 'Initial Pipeline'. On the left, the pipeline diagram shows a 'Build' stage (Pip) followed by a 'Migrations and Test' stage (Test migrations). To the right, there are sections for 'After Pipeline Jobs' (with '+ Add After Jobs') and 'Promotions' (with '+ Add Promotion'). On the far right, a detailed configuration panel is open for the 'Build' stage, titled 'Name of the Block: Build'. It includes a 'Dependencies' section with 'Migrations and Test' checked, and a 'Jobs' section containing a command-line script:

```

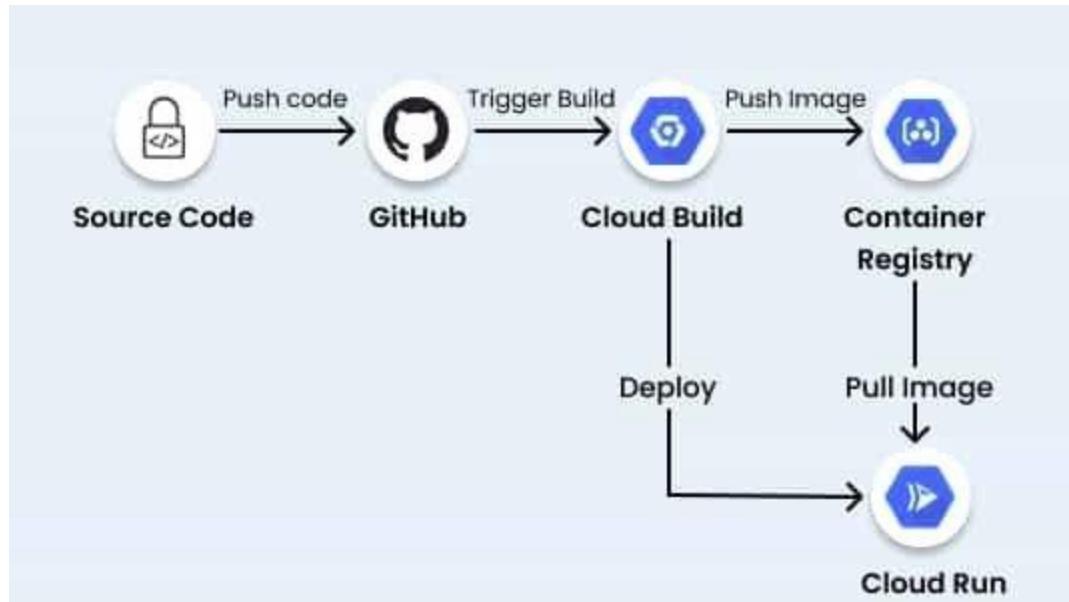
Pip
sem-version python 3.11
checkout
mkdir .pip_cache
cache restore
cd backend
pip install --cache-dir .pip_cache -r requirements.txt
pg_config --version
cache store

```

Various New tests, builds, containerization, etc can be added on to the existing CI pipeline

## CD

- Dockerize, ship and deploy on Cloud Run as soon as a pull request is merged into develop/main.
- This is the architecture is used for continuous deployment using GCP cloud run once the code gets merged into the main a build gets triggered.



Google Cloud Dashboard - CodeSnap

Search (/) for resources, docs, products, and more

**Cloud Build**

**Dashboard**

**Filter** Enter property name or value

**Successful: regostar/eventique - eventique-backend-develop-CD**

| Latest Build    | Duration | Trigger description                  | Source             | Commit  |
|-----------------|----------|--------------------------------------|--------------------|---------|
| 4/29/24, 2:57PM | 00:03:09 | Build and deploy to Cloud Run ser... | regostar/eventique | 0a9f8c4 |

Build History      Average Duration      Pass - Fail %

Build History      Average Duration      Pass - Fail %

**Successful: regostar/eventique - eventique-frontend-develop-CD**

| Latest Build    | Duration | Trigger description                  | Source             | Commit  |
|-----------------|----------|--------------------------------------|--------------------|---------|
| 4/29/24, 2:57PM | 00:04:07 | Build and deploy to Cloud Run ser... | regostar/eventique | 0a9f8c4 |

Build History      Average Duration      Pass - Fail %

**Successful: regostar/eventique - rmgpgab-backend-web-development-us-central1-regostar-eventiqpsn**

| Latest Build | Duration | Trigger description | Source | Commit |
|--------------|----------|---------------------|--------|--------|
|              |          |                     |        |        |

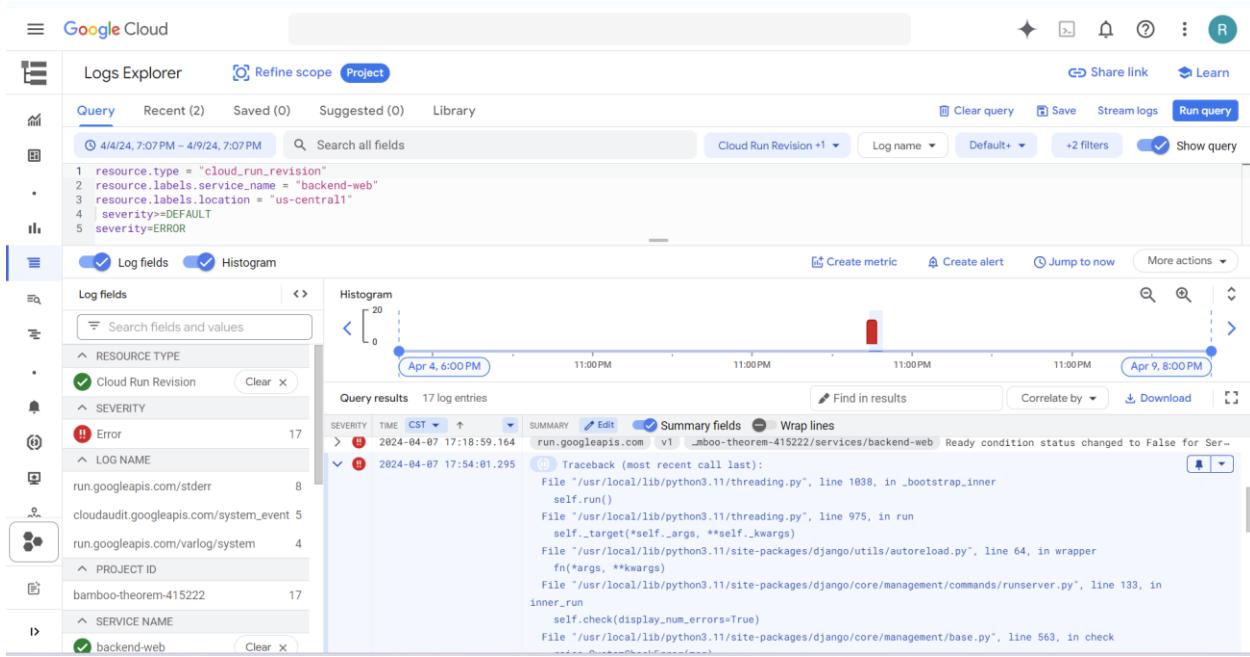
Rows per page: 5 ▾ 1 – 5 of 6 < >

## DevOps Metrics

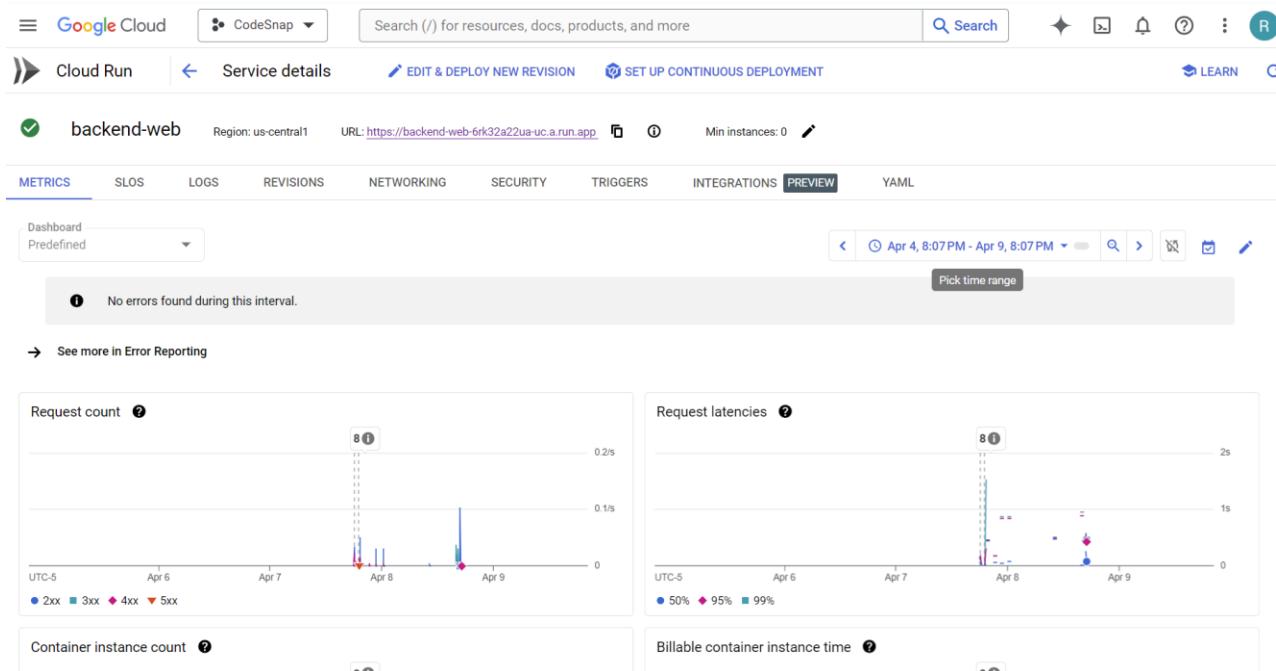
- **Deployment frequency** – An average of about 20 deployments over the last 2 weeks

## Logging :-

Utilized Google Logs Explorer to view App Logs



Utilized Cloudrun to see System Metrics for the instances we are running





# Application Demo

## Chatbot Screen

Eventique

Plan Event

+ Plan  

### Birthday Party

|                      |  |
|----------------------|--|
| Choose A Venue       | Invalid date<br>Invalid date                 |
| Send Out Invitations | Invalid date<br>Invalid date                 |
| Plan The Menu        | Invalid date<br>Invalid date                 |
| Purchase Decorations | Invalid date<br>Invalid date                 |
| Set Up The Venue     | 4th May, Sat 7:00 am<br>4th May, Sat 9:00 am |
| Host The Party       | 4th May, Sat 9:00 am<br>4th May, Sat 1:00 pm |

Plan for birthday party on 4th May,2024. Make minimal plan get allow 10 people gathering. I intend to have both vegan and non-vegan food, so include some   

Eventique

Plan Event

+ Plan  

### Birthday Party

|                      |   |
|----------------------|---|
| Choose A Venue       | Invalid date<br>Invalid date  |
| Send Out Invitations | <b>Send out invitations</b><br> 31st Dec 6:00 PM - 31st Dec 6:00 PM<br>Create and send invitations to guests.<br> |
| Plan The Menu        | Invalid date<br>Invalid date  |
| Purchase Decorations | Invalid date<br>Invalid date  |
| Set Up The Venue     | 4th May, Sat 7:00 am<br>4th May, Sat 9:00 am  |
| Host The Party       | 4th May, Sat 9:00 am<br>4th May, Sat 1:00 pm  |

Plan for birthday party on 4th May,2024. Make minimal plan get allow 10 people gathering. I intend to have both vegan and non-vegan food, so include some   

localhost:3001/homeeventquechatdisplay

Event log

+ New chat

Today

- Helpful AI Ready
- dxxd Effect Expla...
- Movie Streaming Help
- Previous 7 days
- Web Design Workflow
- List of event requirements
- Weather Dynamics

Emily

Give me a birthday plan for my best friend.

**1. Venue & Date**

- Decide on a venue (e.g., your home, a restaurant, a park) and set the date for the celebration.

**2. Guest List**

- Create a guest list of close friends and family to invite.

**3. Theme & Decorations**

- Choose a theme for the party (optional) and purchase decorations accordingly.

**4. Food & Drinks**

- Plan the menu based on your friend's favorite dishes and drinks. Consider catering or cooking together.

**5. Activities & Surprises**

- Organize activities such as games, a movie night, or a dance party.
- Prepare a heartfelt birthday surprise, like a gift or a special toast.

Remember to personalize each aspect of the plan to suit your best friend's preferences and create a memorable celebration. Enjoy celebrating your friend's birthday!

## Homepage

frontend-web-6rk32a22ua-uc.a.run.app

Calendar

today

April 2024

| Sun   | Mon | Tue | Wed | Thu | Fri | Sat |
|---|-----|-----|-----|-----|-----|-----|
| 31  | 1   | 2   | 3   | 4   | 5   | 6   |
| 05:00 am Manage guest list and RSVPs          |     |     |     |     |     |     |
| 7   | 8   | 9   | 10  | 11  | 12  | 13  |
| 05:00 am Manage guest list and RSVPs          |     |     |     |     |     |     |
| 04:00 am Venue Selection                      |     |     |     |     |     |     |
| 05:00 am Coordinate entertainment             |     |     |     |     |     |     |
| 14  | 15  | 16  | 17  | 18  | 19  | 20  |
| 05:00 am Manage guest list and RSVPs          |     |     |     |     |     |     |
| 04:00 am Venue Selection                      |     |     |     |     |     |     |
| 04:00 am Create guest list                    |     |     |     |     |     |     |
| 05:00 am Guest List Creation                  |     |     |     |     |     |     |
| 05:00 am Send invitations                     |     |     |     |     |     |     |
| 05:00 am Plan menu and order food             |     |     |     |     |     |     |
| 21  | 22  | 23  | 24  | 25  | 26  | 27  |
| 05:00 am Manage guest list and RSVPs          |     |     |     |     |     |     |
| 05:00 am Guest List Creation                  |     |     |     |     |     |     |
| 10:00 am Prepare party favors                 |     |     |     |     |     |     |
| 05:00 am Birthday Preparations                |     |     |     |     |     |     |
| 05:00 am Purchase food and drinks             |     |     |     |     |     |     |
| 08:00 am Purchase decorations for special one |     |     |     |     |     |     |

The screenshot shows a web browser window with the URL <frontend-web-6rk32a22ua-uc.a.run.app/events>. The page title is "Events". On the left, there's a sidebar with three buttons: "Calendar" (selected), "Plan Event", and "Events". The main content area displays a table titled "Events" with the following data:

| Event                              | Start Date                   | End Date                     | Status     |
|------------------------------------|------------------------------|------------------------------|------------|
| 10th Birthday Party For Your Son ⚡ | Saturday, May 4th 07:00 pm   | Sunday, May 5th 06:50 am     | Upcoming   |
| Birthday Party ⚡                   | Sunday, April 28th 07:00 pm  | Monday, April 29th 06:59 pm  | Past       |
| Birthday Party ⚡                   | Sunday, April 28th 07:00 pm  | Monday, April 29th 06:59 pm  | Past       |
| Birthday Party ⚡                   | Wednesday, May 15th 12:00 am | Wednesday, May 15th 12:00 am | Upcoming   |
| In-Laws Surprise Party ⚡           | Sunday, May 19th 07:00 pm    | Monday, May 20th 06:59 pm    | Upcoming   |
| In-Laws Surprise Party ⚡           | Monday, May 20th 04:00 am    | Monday, May 20th 07:00 am    | Upcoming   |
| Birthday Party ⚡                   | Tuesday, April 30th 12:00 am | Tuesday, April 30th 11:59 pm | Inprogress |
| Surprise Party For In-Laws ⚡       | Friday, May 17th 06:00 pm    | Friday, May 17th 10:00 pm    | Upcoming   |

## DevOps Measurements

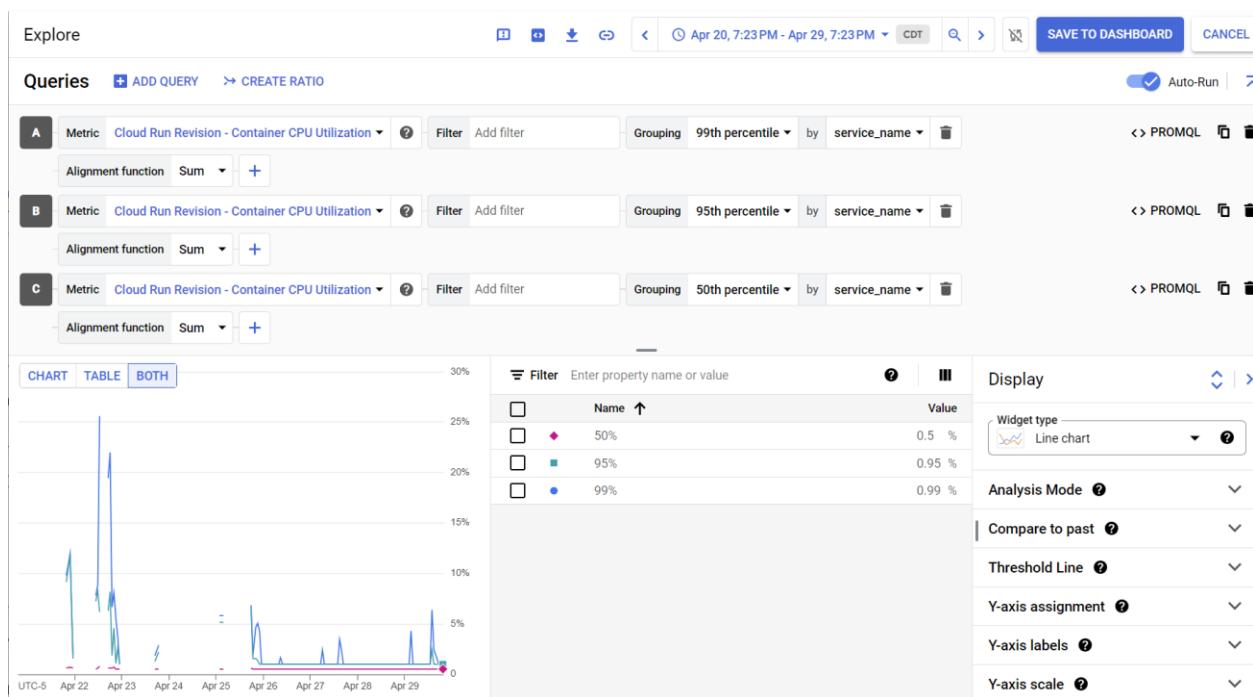
### Process Measurement Metrics

- Deployment Frequency:** Eventique has maintained an average of about 20 deployments over the last 3 weeks, reflecting our commitment to agility and responsiveness in addressing stakeholder feedback promptly.
- Percentage of Failed Deployments:** Out of 14 deployments in a month, only 1 deployment failed, resulting in a low failure rate of 7%, highlighting the effectiveness of our testing practices and deployment automation on a smaller scale.
- Lead Time from Development to Deployment:** The average lead time from merging code changes to deploying them to our development server is less than 10 minutes, showcasing our ability to rapidly move changes through the deployment pipeline.
- Change Volume:** Over the sprints, our team has seen an average of 220 commits and 72 pull requests per month on GitHub, indicating consistent development activity and collaboration among team members.

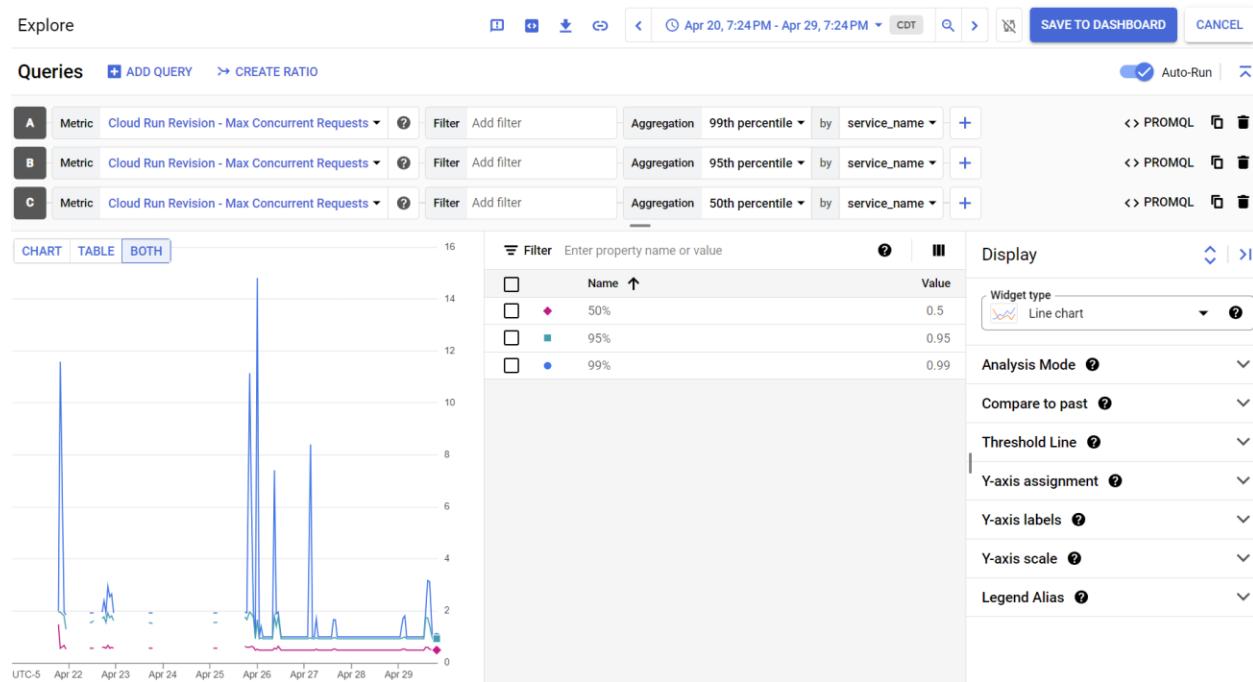
5. **Mean Time to Recovery (MTTR)**: In the event of an incident, our team can recover service within an average of 6 minutes, minimizing disruption to project development and ensuring timely resolution of issues.

## Service Measurement Metrics

1. **Performance**: The average response time for key project functionalities, such as accessing project resources or submitting changes, is 800 milliseconds, providing a smooth user experience for project contributors.
2. **CPU Utilization metrics**:-

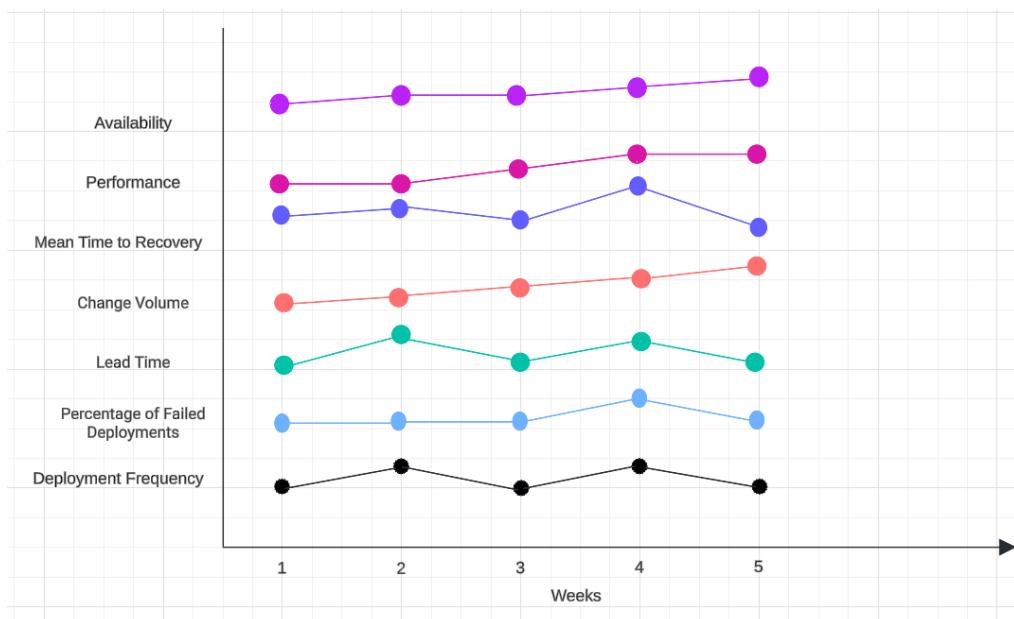


3. Max concurrent requests -



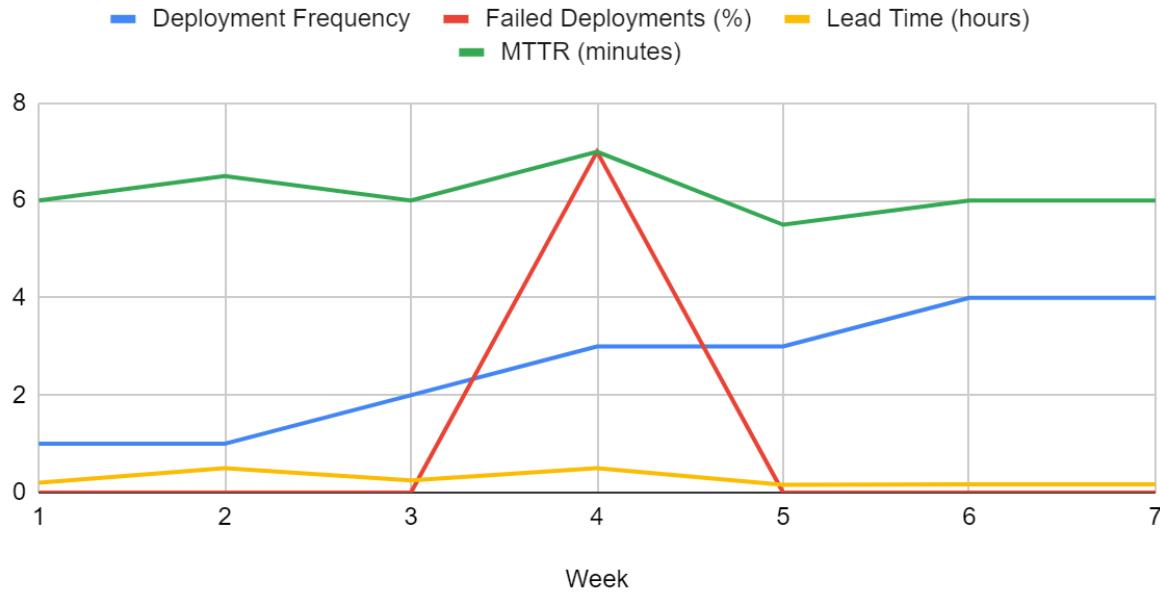
2. **Availability/Reliability:** Eventique has achieved an availability rate of 99.5% over the past month, with only 2 hours of scheduled downtime for maintenance and updates, ensuring project resources are consistently accessible to team members. This metric is guaranteed by GCP.

## DevOps Metrics Trends Chart

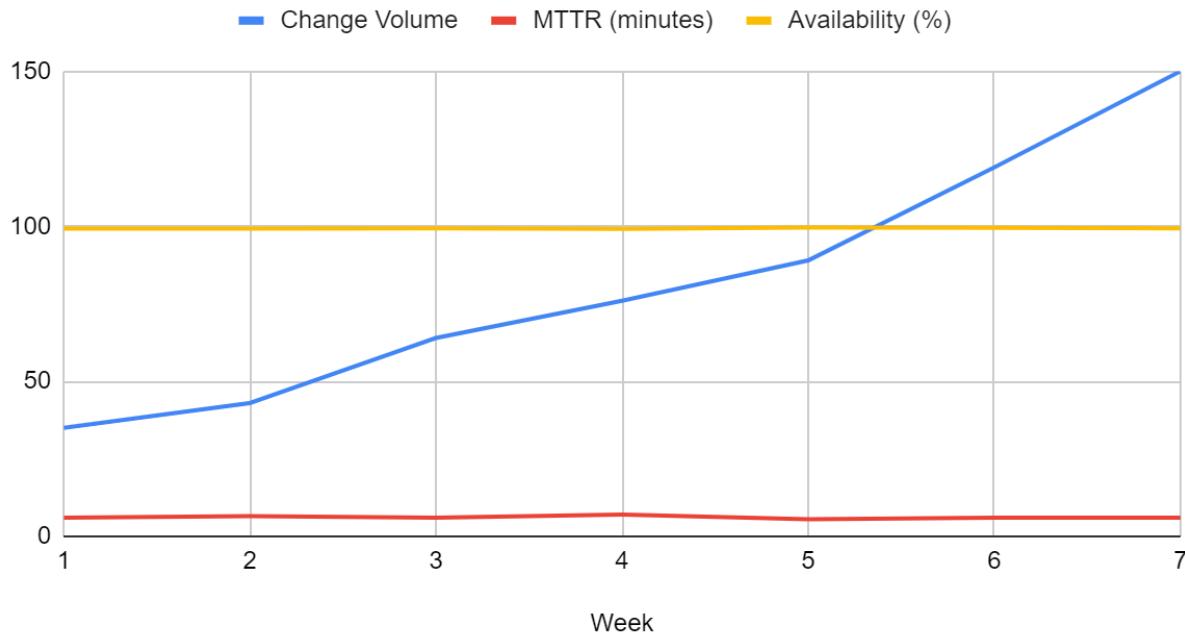


| Week | Deployment Frequency | Failed Deployments (%) | Lead Time (hours) | Change Volume | MTTR (minutes) | Performance (ms) | Availability (%) |
|------|----------------------|------------------------|-------------------|---------------|----------------|------------------|------------------|
| 1    | 1                    | 0                      | 0.2               | 35            | 6              | 1200             | 99.3             |
| 2    | 1                    | 0                      | 0.5               | 43            | 6.5            | 950              | 99.3             |
| 3    | 2                    | 0                      | 0.25              | 64            | 6              | 900              | 99.4             |
| 4    | 3                    | 7                      | 0.5               | 76            | 7              | 500              | 99.2             |
| 5    | 3                    | 0                      | 0.16              | 89            | 5.5            | 500              | 99.6             |
| 6    | 4                    | 0                      | 0.17              | 119           | 6              | 400              | 99.5             |
| 7    | 4                    | 0                      | 0.17              | 150           | 6              | 400              | 99.4             |

## Deployment Frequency, Failed Deployments (%), Lead Time (hours) and MTTR (minutes)



## Change Volume, MTTR (minutes) and Availability (%)



## Development and Staging servers:

The screenshot shows the Google Cloud Platform Cloud Run Services page. At the top, there's a navigation bar with 'Google Cloud' and a 'CodeSnap' dropdown. A search bar is followed by several icons. Below the navigation is a header with 'Cloud Run', 'Services', 'CREATE SERVICE', 'CREATE JOB', and 'MANAGE CUSTOM DOMAINS'. To the right are 'RELEASE NOTES' and other navigation icons. The main area is titled 'Services' with a 'JOBS' tab. A 'Filter services' button is present. The table lists the following services:

|                          | Name                                     | Req/sec | Region      | Authentication        | Ingress | Recommendation    | Last deployed | Deployed by  |
|--------------------------|--|---------|-------------|-----------------------|---------|-------------------|---------------|--|
| <input type="checkbox"/> | <a href="#">backend-web</a>              | 0.01    | us-central1 | Allow unauthenticated | All     | 2 RECOMMENDATIONS | 1 day ago     | 213948517176-compute@developer.gserviceaccount.com |
| <input type="checkbox"/> | <a href="#">backend-web-development</a>  | 0       | us-central1 | Allow unauthenticated | All     |                   | 1 day ago     | 213948517176-compute@developer.gserviceaccount.com |
| <input type="checkbox"/> | <a href="#">backend-web-staging</a>      | 0       | us-central1 | Allow unauthenticated | All     |                   | 1 day ago     | 213948517176-compute@developer.gserviceaccount.com |
| <input type="checkbox"/> | <a href="#">frontend-web</a>             | 0.01    | us-central1 | Allow unauthenticated | All     | SECURITY          | 1 day ago     | 213948517176-compute@developer.gserviceaccount.com |
| <input type="checkbox"/> | <a href="#">frontend-web-development</a> | 0       | us-central1 | Allow unauthenticated | All     |                   | 1 day ago     | 213948517176-compute@developer.gserviceaccount.com |
| <input type="checkbox"/> | <a href="#">frontend-web-staging</a>     | 0       | us-central1 | Allow unauthenticated | All     |                   | 1 day ago     | 213948517176-compute@developer.gserviceaccount.com |

We have development and staging servers, each connected to develop and staging branches respectively.

A merge to those branches will automatically deploy since there is CI CD pipeline linked.