

COSC 4P02 - Progress Report 2 - Eventic

COSC 4P02
Software Engineering II
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Winter 2025
March 22th, 2025
Brock University

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1 Project Overview

Eventic is an event management and ticketing platform designed to help event organizers create, promote, and manage events seamlessly. The platform provides functionalities such as ticket sales, attendee engagement, and analytics tools to streamline the event planning process.

2 Work Completed Since Last Report

Since the last progress report, work has been slower due to midterms, but progress has still been made. The key accomplishments include:

- Completed the event browse and search page.
- Made various minor adjustments and refinements to UI elements across different pages.
- Connected multiple frontend pages that were previously not linked to the backend.

The payment page and QR code ticketing system are still in progress and will be the focus of upcoming development efforts.

2.1 Challenges Encountered

- **Limited Development Time:** Midterms affected the team's availability, slowing down the development process.
- **Backend Integration:** Some frontend pages were not originally connected to the backend, requiring additional effort to establish API communication.
- **Design Refinements:** Minor adjustments were needed across different UI elements to enhance user experience.

2.2 Screenshots of System Progress

The screenshot shows the Eventic application's event listing page. At the top, there is a navigation bar with links for Home, Events, Dashboard, Cart, and Login. Below the navigation is a search bar with placeholder text "Type to search" and a green "Search" button. To the left of the search bar are filter options: "Name" (selected), "Price", "Date posted", "Close to me", "Ascending" (selected), and "Descending". On the right side of the page, there are three filter sections: "Price" (with "Max" and "Min" input fields), "Category" (with a list of categories like Music, Food & Drink, Arts, Sports, Business, Networking, Charity, and Other, where "Other" is selected), and a "Reset filters" button.

Event ID	Event Name	Date	Description	View more
Dev: event ID is 20	Web Application	3/21/2025 – 3/21/2025	A hands-on seminar exploring modern web development practices.	View more
Dev: event ID is 22	LateNight Craving	4/7/2025 – 4/7/2025	When the clock strikes midnight and the weight of the world seems too much, that irresistible late-night food craving takes over. It's the moment when savory pizzas, creamy dips, and a whole mess of comfort food lure you into a secret, nocturnal feast. Imagine a warm slice of pizza with perfectly melted cheese...	View more
Dev: event ID is 26	EDM Festival	4/4/2025 – 4/4/2025	Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit...	View more
Dev: event ID is 27	World Tour	4/4/2025 – 4/4/2025	Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit...	View more
Dev: event ID is 28	World Tour	4/4/2025 – 4/4/2025	Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit...	View more
Dev: event ID is 29	World Tour	4/4/2025 – 4/4/2025	Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit...	View more
Dev: event ID is 30	World Tour	4/4/2025 – 4/4/2025	Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit...	View more
Dev: event ID is 31	Paradise	3/21/2025 – 3/21/2025	This is an event	View more

- Users can search and browse available events.
- Filters and search functionalities help users find relevant events easily.

The screenshot shows the "Profile" section of the application, specifically the "Orders" tab. The title "Ordered Tickets" is at the top. Below it is a grid of three ticket purchases:

- Tech Conference 2025** in San Francisco, CA, from 2024/12/31 to 2024/12/31. Description: A gathering of tech enthusiasts and professionals.
- Jazz Music Night** in New Orleans, LA, from 2025/1/15 to 2025/1/15. Description: A night filled with soulful jazz performances.
- Startup Pitch Competition** in New York, NY, from 2025/1/29 to 2025/1/29. Description: Pitch your startup idea and win funding from investors.

You might like...

The screenshot shows a "You might like..." section with four recommended events:

- Tech Conference 2025** in San Francisco, CA, on Tue Dec 31 2024. Includes a "Submit Assignment" form with instructions: "There were 1 errors found in the information you submitted. Please correct the errors and resubmit." and "After uploading, you must click Submit to complete the submission."
- Jazz Music Night** in New Orleans, LA, on Wed Jan 15 2025. Includes a "Submit Assignment" form with instructions: "There were 1 errors found in the information you submitted. Please correct the errors and resubmit." and "After uploading, you must click Submit to complete the submission."
- Startup Pitch Competition** in New York, NY, on Wed Jan 29 2025. Includes a "Submit Assignment" form with instructions: "There were 1 errors found in the information you submitted. Please correct the errors and resubmit." and "After uploading, you must click Submit to complete the submission."
- Tech Conference 2025** in San Francisco, CA, on Tue Dec 31 2024. Includes a "Submit Assignment" form with instructions: "There were 1 errors found in the information you submitted. Please correct the errors and resubmit." and "After uploading, you must click Submit to complete the submission."

- Changes to the User Profile.

Description

When the clock strikes midnight and the world quiets down, that irresistible late-night food craving takes over. It's the moment when savory aromas and the promise of comfort food lure you into a secret, nocturnal feast. Imagine a warm slice of pizza, a piping hot chili, a bowl of creamy lasagna, or a bowl of steaming noodles—the ultimate indulgence to beat the midnight blues. This is more than just hunger; it's a celebration of those fleeting, solitary hours where every bite feels like a little rebellion against the day's routine.

Category

Food & Drink

Tags

FOOD

Gallery

Ticket Details

Price: 50.00
Max Participants:
Current Participants:

Organizer

Posted: Invalid Date
Updated: Invalid Date

Dashboard

Recently visited

Tech Conference...
San Francisco, CA

Dev: event ID is 100
12/31/2024 – 12/31/2024
A gathering of tech enthusiasts and professionals.

[View more](#)

Jazz Music Night
New Orleans, LA

Dev: event ID is 101
1/15/2025 – 1/15/2025
A night filled with soulful jazz performances.

[View more](#)

Startup Pitch Competition
New York, NY

Dev: event ID is 102
1/29/2025 – 1/29/2025
Pitch your startup idea and win funding. Open to all entrepreneurs.

[View more](#)

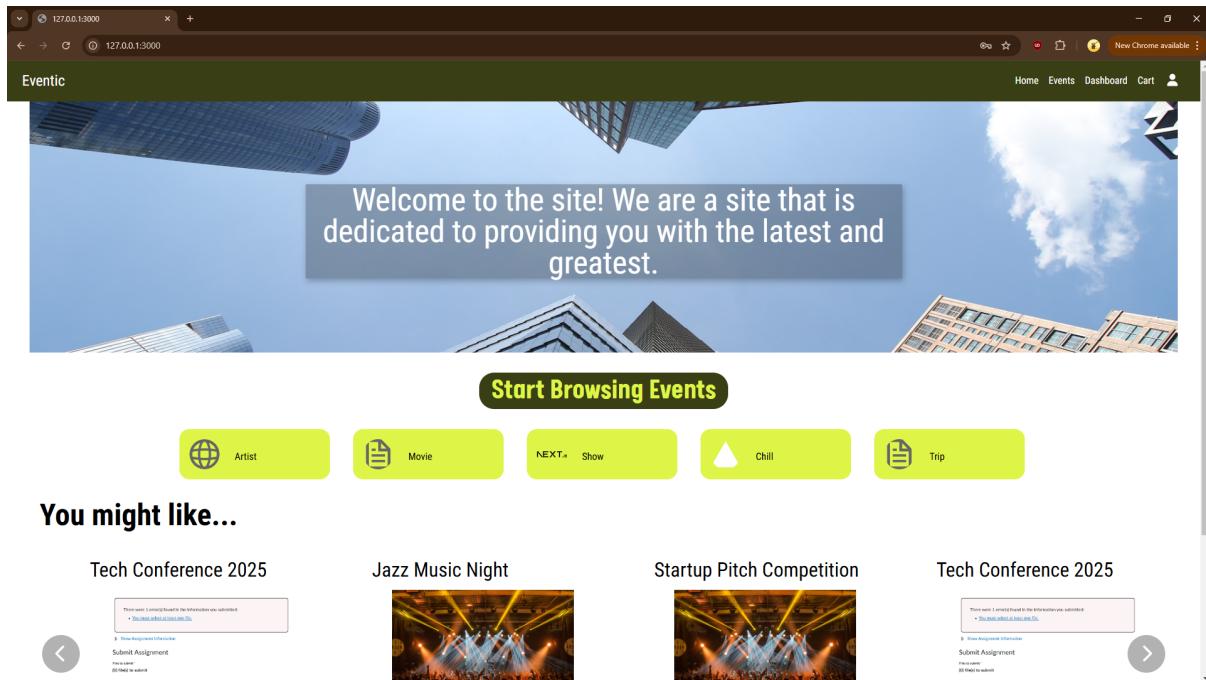
[Create new](#) [Something else](#)

Comming soon

Tech Conference...
San Francisco, CA

Jazz Music Night
New Orleans, LA

Startup Pitch Competition
New York, NY



- Minor refinements made to improve overall user experience.

```

6   @event_bp.route("/events", methods=["POST"])
7 > def create_event_route(): ...
18
19   @event_bp.route("/events", methods=["GET"])
20 > def get_all_events_route(): ...
23
24   @event_bp.route("/events/<int:event_id>", methods=["GET"])
25 > def get_event_route(event_id): ...
31
32   @event_bp.route("/events/<int:event_id>", methods=["PUT"])
33 > def update_event_route(event_id): ...
39
40   @event_bp.route("/events/<int:event_id>", methods=["DELETE"])
41 > def delete_event_route(event_id): ...
46
47
48   @event_bp.route("/recommendation", methods=["GET"])
49 > def recommendation(): ...
52
53   @event_bp.route("/search", methods=["GET"])
54 > def search(): ...

```

```
16  @profile_bp.route("/testUser", methods=["POST"])
17 > def get_test_user(): ...
18
19  # Load the corresponding user when the profile page read
20  @profile_bp.route("/get-profile", methods=["GET"])
21 > def get_profile(): ...
22
23
24  # Change the user_name
25  @profile_bp.route("/change-username", methods=["PATCH"])
26 > def change_name(): ...
27
28
29  # Change the password
30  @profile_bp.route("/change-password", methods=["PATCH"])
31 > def change_password(): ...
32
33
34  # Change email
35  @profile_bp.route("/change-email", methods=["PATCH"])
36 > def change_email(): ...
37
38
39  # Change phone
40  @profile_bp.route("/change-phone", methods=["PATCH"])
41 > def change_phone(): ...
42
43
44
```

```

test_bp = Blueprint("test", __name__)
bcrypt = Bcrypt()

@test_bp.route("/ticket/gen-qr/<int:ticket_id>", methods=["GET"])
def gen_qr(ticket_id):
    # Make hashed id
    hashed_id = hashlib.sha256(str(ticket_id).encode()).hexdigest()
    short_hashed = hashed_id[:10]

    qr = qrcode.make(short_hashed)
    img_io = io.BytesIO()
    qr.save(img_io, "PNG")
    img_io.seek(0)

    return send_file(img_io, mimetype="image/png")

@test_bp.route("/ticket/validate", methods=["GET"])
def validate():
    read_qr = request.args.get("qr")

    try:
        with get_db_connection() as conn:
            with conn.cursor(cursor_factory=psycopg2.extras.DictCursor) as cursor:
                query = """
                    SELECT tickets.id
                    FROM tickets
                    .....
                """
                cursor.execute(query)
                tickets_id = cursor.fetchall()

                for id in tickets_id:
                    # Generate hashed id to validate
                    valid_hashed_id = hashlib.sha256(str(id[0]).encode()).hexdigest()
                    short_valid_hashed = valid_hashed_id[:10]
                    if short_valid_hashed == read_qr:
                        return jsonify({
                            "message": "Ticket is valid",
                        }), 200
                    # If there is no matching ticket id
                return jsonify({
                    "message": "Ticket is invalid",
                }), 404
    except Exception as e:
        return jsonify({"error": f"Internal error: {str(e)}"}), 500

```

- Some of the backend functions.

Web Application Development Seminar



Description

A hands-on seminar exploring modern web development practices.

Ticket Details

Price: 49.99
Max Participants:
Current Participants:

Organizer



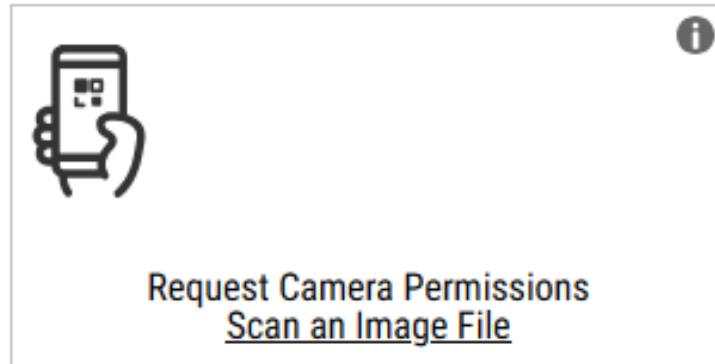
• Print your ticket

*Please print your ticket and present the QR code at the entrance.



[Download / Print Ticket](#)

Scan QR



Screenshot of the Eventic RSVP Checkout page:

The page title is "RSVP Checkout". A message at the top says "Please confirm your order to proceed with the event checkout." Below this is a summary box for a "Startup Pitch Competition" in New York, NY, organized by "VC Fund" from 1/29/2025 to 1/29/2025. The summary includes a brief description: "Pitch your startup idea and win funding. Open to all entrepreneurs. Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum."

A "Terms and Conditions" section follows, containing a list of 6 points regarding platform usage and responsibilities.

A "What to do after checkout" section lists 4 steps for booking confirmation.

The footer contains links to "Home", "About", "Services", "Contact", "Facebook", "Twitter", "Instagram", and "LinkedIn". It also includes a note about the site being a service project by Team 1 and links to "Privacy Policy", "Terms of Service", and "Some other thing here".

- Payment page and QR code in development.

3 Implementation of Software Engineering Process

Eventic continues to follow an Agile-Scrum methodology:

- Two-week sprints with backlog refinement.
- Weekly meetings to track progress.
- Sprint retrospectives to review and improve workflows.
- Code reviews before merging branches to maintain code quality.

3.1 Sprint Breakdown

- **Sprint 3:** Focused on connecting frontend pages to backend, refining UI, and implementing event browsing/search functionality.
- **Sprint 4 (current):** Continue working on the event browsing/search, started on payment system and QR code ticketing, along with further feature enhancements.

4 Team Contributions

Team Member	Tasks Completed
Yi Li	Maintained product backlog, helped define sub-tasks, assisted with backend technical issues
Justin Bai	Scrum Master, coordinated meetings, managed sprint planning, report writing
Xuefei Yao	Backend API development
Zhanping Zhou	Managed database improvements, assisted in payment API integration
Michael Zhou	Frontend UI improvements, implemented event browsing and search page, working on the payment page, communication for the frontend and backend.
Shoei Yamamoto	UI design refinements, QR code ticket development, assisted in connecting frontend elements to backend.

4.1 Recent GitHub Activity Log

Activity

All branches	All activity	YILIPERCY	All time	Showing most recent first
Update services.py				...
 YILIPERCY pushed 1 commit to main • 4b43c75...41ac296 • 3 days ago				
Add files via upload				...
 YILIPERCY pushed 1 commit to main • fcfbd4b...705c3a6 • 4 days ago				
Create readme.md				...
 YILIPERCY pushed 1 commit to main • 96fd742...fcfb4b • 4 days ago				
Delete api/myfolder directory				...
 YILIPERCY pushed 1 commit to main • 7413eb9...96fd742 • 4 days ago				
Create readme.md				...
 YILIPERCY pushed 1 commit to main • 65bb8d7...7413eb9 • 4 days ago				
Delete api/event				...
 YILIPERCY pushed 1 commit to main • 2dfd28b...65bb8d7 • 4 days ago				
Create event				...
 YILIPERCY pushed 1 commit to main • bd00673...2dfd28b • 4 days ago				
Delete api/event directory				...
 YILIPERCY pushed 1 commit to main • cf09bec...bd00673 • 4 days ago				

Activity

All branches	All activity	Coolmeteor	All time	Showing most recent first
Add files via upload				...
 Coolmeteor pushed 1 commit to main • e19fdb9...d851c09 • 11 days ago				
Delete Placeholder File				...
 Coolmeteor pushed 1 commit to main • 5890a34...e19fdb9 • 11 days ago				
Add Progress Report 1				...
 Coolmeteor pushed 1 commit to main • 3d5397f...5890a34 • 11 days ago				
Add files via upload				...
 Coolmeteor pushed 1 commit to main • 03d5f6c...8db65f2 • 29 days ago				

Activity

All branches	All activity	y7x8f9123	All time	Showing most recent first
Update services.py				...
 y7x8f9123 pushed 1 commit to main • bf90955...4b43c75 • 3 days ago				
add search				...
 y7x8f9123 pushed 1 commit to main • 705c3a6...bf90955 • 3 days ago				
Update routes.py				...
 y7x8f9123 pushed 1 commit to main • 0e8d060...cf09bec • 5 days ago				
Add files via upload				...
 y7x8f9123 pushed 1 commit to main • 3495e93...0e8d060 • 5 days ago				
user profiles				...
 y7x8f9123 pushed 1 commit to main • d0ee7cc...54d4899 • 7 days ago				
create update delete & search events				...
 y7x8f9123 pushed 1 commit to main • 79fc3f9...d0ee7cc • 7 days ago				
connect to db				...
 y7x8f9123 pushed 1 commit to main • 1dceadd...79fc3f9 • 7 days ago				
Create update delete & search event				...
 y7x8f9123 pushed 1 commit to main • 013606b...1dceadd • 7 days ago				

Activity

All branches	All activity	6854830	All time	Showing most recent first
Update package-lock.json				...
 6854830 pushed 1 commit to main • 41ac296...9fecaa2 • 2 days ago				

Activity

All branches	All activity	mikoomich	All time	Showing most recent first
Event editor/create connected to back end 90%				...
mikoomich pushed 6 commits to connect-front-end-and-back-end • edffd06...12d9304 • 2 days ago				
Add temporary? dashboard page to navigate to event editing and creating				...
mikoomich pushed 1 commit to connect-front-end-and-back-end • 5899e9b...edffd06 • 3 days ago				
Navigation improvements				...
mikoomich pushed 13 commits to connect-front-end-and-back-end • ae5cd6...5899e9b • 3 days ago				
wip checkout page				...
mikoomich created checkout-page • f45625e • 5 days ago				
Very basic search (using post request) Force push				...
mikoomich force pushed to connect-front-end-and-back-end • a60979d...e7054aa • 5 days ago				
Very basic search (using post request)				...
mikoomich created connect-front-end-and-back-end • a60979d • 5 days ago				
event browse: Guess how to handle backend data				...
mikoomich pushed 1 commit to event-browse • d1d9e0f...6f44a08 • 11 days ago				
Improve browse page layout				...
mikoomich pushed 5 commits to event-browse • b3190f4...d1d9e0f • 12 days ago				
event editor: Restrict to logged in users				...
mikoomich pushed 1 commit to main • a4d09b4...1ce0bc4 • 24 days ago				
browse: first draft				...
mikoomich created event-browse • b3190f4 • 24 days ago				
Merge pull request #3 from Coolmeteor/profile-page Pull request merge				...
mikoomich pushed 20 commits to main • 12c48be...a4d09b4 • 26 days ago				
Fix api route import				...
mikoomich pushed 1 commit to main • 0342d20...20... • 26 days ago				

Activity

All branches	All activity	ShoeiBrock	All time	Showing most recent first
Modified QR pages				...
ShoeiBrock pushed 1 commit to profile-page • 495a53c...f4f179f • 2 days ago				
Add a mock scan page and a mock API for QR code system.				...
ShoeiBrock pushed 1 commit to profile-page • 9b16904...495a53c • 2 days ago				
Added empty __init__.py for each api route folder for the stable init...				...
ShoeiBrock pushed 1 commit to connect-front-end-and-back-end • e7054aa...ae5cd6 • 4 days ago				
Added ordered ticket list page and ticket info page.				...
ShoeiBrock pushed 1 commit to profile-page • b6076d8...9b16904 • 5 days ago				
Merge branch 'main' into profile-page				...
ShoeiBrock pushed 4 commits to profile-page • 1a68a81...b6076d8 • 7 days ago				
Modify the api folder name from profile to profiles				...
ShoeiBrock pushed 2 commits to main • 1a68a81...3495e93 • 7 days ago				
Fixed a small issue.				...
ShoeiBrock pushed 1 commit to profile-page • 9c51276...1a68a81 • 7 days ago				
Fixed a small issue.				...
ShoeiBrock pushed 1 commit to main • 9c51276...1a68a81 • 7 days ago				
Merge pull request #4 from Coolmeteor/event-browse				...
ShoeiBrock pushed 19 commits to profile-page • 1904760...9c51276 • 7 days ago				
Merge pull request #4 from Coolmeteor/event-browse Pull request merge				...
ShoeiBrock pushed 7 commits to main • 54d4899...9c51276 • 7 days ago				
Modify the price input and fix the date picker for the ending date.				...
ShoeiBrock pushed 1 commit to event-browse • 6f44a08...b0ff178 • 9 days ago				
Small tweaks on the event editor and the user authorization.				...
ShoeiBrock pushed 1 commit to main • d051e00...012606b • 9 days ago				

5 Plan for the Next Phase

In the upcoming sprint, we plan to:

- Complete the payment system implementation.

- Develop and integrate QR code ticketing.
- Continue UI/UX refinements.
- Conduct testing to ensure system stability and usability.
- Complete final deployment.

6 Conclusion

Despite midterm exams slowing progress, we have made meaningful advancements in connecting the frontend to the backend and improving event browsing capabilities. Moving forward, we will focus on completing payment and ticketing functionalities while refining the user experience, to ensure the final product has good usability.