

The background of the slide is a photograph of a large crowd of people at what appears to be a sports event or concert. The crowd is seen from a high angle, with many people raising their hands in the air. The scene is filled with a dense shower of colorful confetti, primarily in shades of blue, purple, and pink. In the upper right corner, a portion of a stadium's structural framework, including a yellow lattice tower, is visible against a bright, hazy sky.

EventSync

Group 6

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What is EventSync?

- Events management platform that helps connect event enthusiasts with event organizers.
- Helps event organizers to get increased reach of their events.
- Helps event enthusiasts to discover more events based on their interests.

Technologies Used

Frontend

- ReactJS, React-bootstrap

Backend

- NodeJS, Express

Database

- MongoDB

Deployment

- Netlify (Frontend)
- Render (Backend)

Justification for Technologies used

ReactJS

- Component-based Architecture
- Cross-Platform Development
- Large and Active community

NodeJS

- Asynchronous and non-blocking
- Microservices architecture
- Cross-platform compatibility

MongoDB

- Schema Flexibility
- Expressive Query Language
- Real-Time Data Processing
- Full stack JavaScript Development

Key Features

- Suggestions given based on user's provided interests.
- Event organizers need approval of Admin
- Create and maintain a Wishlist
- Data Analysis provided for event organizers
- Tech support for users provided by Admin
- Various searching and filtering options for users
- Get email and push notifications for updates and event reminders
- Users can provide feedbacks and reviews

The background of the slide is a vibrant, high-angle photograph of a large crowd of people at a celebration. The scene is filled with a thick shower of multi-colored confetti and small pieces of paper, likely money, falling from above. The crowd below is seen from the chest up, with many individuals raising their hands in the air, some holding up smartphones to capture the moment. The overall atmosphere is one of joy and festivity. The text is overlaid on the upper left portion of this image.

Application Insights

Target Users: Individuals above age 12

Potential Benefitters: Event Organizers, Event Enthusiasts

App Usage: Desktop, Mobile

A high-angle, wide shot of a large crowd of people at a concert or festival. The crowd is dense, and many people have their arms raised in the air. A massive amount of multi-colored confetti is falling from above, creating a thick, celebratory atmosphere. The scene is brightly lit, likely by stage lights, which are visible as bright spots in the upper right corner. The overall mood is one of excitement and joy.

DEMO

The background of the slide is a vibrant, slightly blurred photograph of a large crowd of people at what appears to be a concert or festival. The scene is filled with a massive amount of multi-colored confetti and small pieces of paper, possibly money, falling from above, creating a sense of celebration and excitement. The lighting is bright, and the overall color palette is dominated by the colors of the confetti and the warm tones of the crowd.

What is the level of completeness of your application?

- Approximately 95% complete.
- Features left to be completed: minor changes in overall UI
- Timeline for pending features: Expected completion within 1-2 days after the current deadline.

How scalable do you consider your application to be?

- Achieved by implementing microservices, horizontal scaling and caching for improved performance
- Potentials issues such as Database scaling, maintaining response times under heavy traffic, data inconsistency needs to be addressed in future

What technical issues did you experience with (server) hosting your application?

- Initially faced server deployment errors due to environment compatibility.
- Solved it by optimizing server configurations and consulting hosting provider support.
- Minor recurring issues like Latency and Initial load time were experienced which are unavoidable.

What Frameworks did you consider for your project?

Front-end: React, Angular Vue.js

- **React** offers a highly flexible and component-based architecture

Back-end: Node, Django

- **Node** offers non-blocking I/O, making it efficient for handling a large number of concurrent connections, while **Django** follows a synchronous approach.

Database: MongoDB, MySQL

- **MongoDB** offers flexible and schema-less document-based data storage, while **MySQL** enforces a rigid relational schema.

What was your competitive landscape like?

- **Eventbrite:** Known for its event management and ticketing services. Simplifies event registration and increases event reach.
- **Cvent:** Offers cloud-based event management tools for planning, marketing, and engagement.
- **Bizzabo:** Focuses on creating engaging and personalized event experiences.
- **Eventzilla:** Provides online event registration, ticketing, and attendee management tools.

What was your competitive landscape like? (contd.)

Impact on User Personas and Features:

- Competitive analysis helped shape user personas by understanding the needs and pain points addressed by competitors.
- Identified features crucial for user satisfaction, such as simplified event creation, personalized recommendations, mobile accessibility, and real-time updates.

What was your competitive landscape like? (contd.)

Project's Competitive Advantage:

- Effortless Event Creation
- Seamless Registration
- Personalized Recommendations
- Mobile Accessibility
- Real-time Updates
- Robust Analytics

The background of the slide is a vibrant, slightly blurred photograph of a large crowd of people at what appears to be a concert or festival. The scene is filled with a thick layer of multi-colored confetti (pink, blue, yellow, and white) and long, thin streamers hanging from above. In the upper right corner, a portion of a yellow metal structure, possibly a stage or lighting rig, is visible. The overall atmosphere is one of celebration and high energy.

What approaches did you or have you implemented to test your application?

- Tested application by considering all the edge cases.
- Performed Regression Testing each time a new feature was implemented.
- All the error scenarios were handled gracefully.

What features are users be able to access with this application?

- Registration, Login
- Events search and filtering
- Get recommendations based on selected interests
- Create and maintain a Wishlist
- Add ratings and write reviews for events
- Receive push notifications for updates and reminders
- Get tech support from admin
- For **Organizers**:
 - Request approval for adding events from admin
 - Data analysis for events added

The background of the slide is a vibrant, slightly blurred photograph of a large crowd of people at what appears to be a concert or festival. The scene is filled with a massive amount of multi-colored confetti (pink, blue, yellow, and white) that is falling from above, creating a sense of celebration and excitement. In the upper right corner, a portion of a yellow crane or stage structure is visible against a bright, hazy sky. The overall lighting is bright and festive.

How much would you expect for your application to cost in terms of production, training (if needed), deployment, maintenance.

- Hosting Cost (50\$ per month)
- Development Cost (A team of 5 person to start, with salary around 75k\$ per year)
- Equipment Cost (Hosting it on cloud, 250\$ per month, varies on usage)
- Maintenance Cost (Included in the team of developers)

What security issues did you consider your application might encounter?

- Unauthorized requests from user (Validation in each requests)
- Images uploaded (Uploaded to S3 Bucket)
- Session Management (JWT Token)

How can EventSync be monetized and how do you envision this happening?

- Free-Premium Model
- Event Hosting Fees
- Ticket Sales Commission

If EventSync is monetized, from technical pov, what are potentials issues needing to be addressed?

EventSync could be monetized through:

- premium event promotion
- featured listings
- subscription plans.

Challenges may include:

- ensuring fair competition among event organizers
- handling high-user traffic
- preventing spam/fraud events
- securing payment transactions

A high-angle, wide shot of a large crowd of people at a concert or festival. The crowd is seen from the back, with many arms raised in the air. The scene is filled with a dense shower of multi-colored confetti (pink, blue, yellow, and white) falling from above, creating a festive and celebratory atmosphere. In the upper right corner, a portion of a yellow stage structure is visible. The overall lighting is bright and slightly hazy, suggesting an outdoor daytime event.

Thank you.