Google Developers Group (GDG) Buea

"A community that codes"

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<CODE BATTLE/>

BRIEF

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A. What is code battle?

Code Battle written <Code Battle/> is one of GDG Buea's flagship programs that runs yearly, during the silicon mountain conference. In the code battle, participants partake in a 1-hour intensive coding challenge to either solve an algorithm exercise, reproduce a design or come up with a basic system based on a brief. At the end of the coding exercise, the participants get 5 minutes to pitch their solution to a set of judges who grade them based on a list of criteria ranging from a clear understanding of the problem, design principles, algorithm concepts, correctness, completeness, presentation skills etc. The judges then grade the participants and the winners are announced on the D-Day (closing ceremony) of the silicon mountain conference.

B. Various stages/timeline

The coding battle has various stages

NO	Item	Description	Start	End
1	Application phase	A form goes out for participants to form teams of 2-3 to apply.		
	Test task	An email is sent out to the various participants thanking them for applying.		
	Info session 1	Online session to explain to all participants what the code battle is, answer questions and reply to worries		
	Elimination task	Send out an email with the link to a coding exercise. All teams are to submit their responses by submitting the link of a public github repository. Only those who submit their repos will be considered for the next level.		

	Screening v1	Select a list of teams who have submitted their work and create a list of the battlers. Send out an email to them congratulating them for moving thus far and invite them for an info session on what is next.		
	Info session 2	Info session to discuss on the next phase and prepare them for the online coding challenge		
	Online Battle	A 1-hour intensive coding battle and pitching.		
	Announcing the finalist	Choose 20 teams that will make it to the final for the code battle. Send out an email to them.		
	Info session 3	Online info session with the 20 final teams who will take part in the code battle		
	Battle Day	Physical code battle of all 20 teams, 1-hour intensive coding, presentation and judging		
	Prize presentation	Presentation of price during the silicon mountain conference closing ceremony.		

C. Breakout quiz

During code battle, there will be a lot of spectators. To keep the environment busy while the participants focus on coding, there will be a breakout game session. Game session will be question/answer format, targeting questions in technology, the silicon

mountain community, sponsors, donors, the country, the world and AI. This will be done with the crowd.

D. Target

- 50 applicants
- 20 Finalists; 10 frontend track and 10 backend track
- **5 Winners:** 1st place, 2nd place, 3rd place, The most performing girls' team, Youngest most performing team

Prizes

- 1st price: 500,000XAF
- 2nd price: 200,000XAF
- 3rd price: 100,000XAF
- The most performing girls' team: 100,000XAF
- Youngest most performing team: 100,000XAF

Eligibility; who can apply?

The application is open to
- All developers
- Must be at least 18 years of age
- Must be available for the physical code battle during the SMCon week.
- Applicants are not limited to a programming language.
- Women are encouraged to be part of the team.

Tracks

There shall be 2 tracks (categories) which each team can register under
- **Frontend track:** Frontend track will involve the participants doing frontend (browser-related) tasks. They will be able to use any of their preferred frontend languages, frameworks and libraries which include but are not limited to HTML, CSS, Javascript, JS frameworks and JS libraries.

- **Backend track:** The backend track requires the participants who register under this track to solve an algorithm problem, ensuring their code takes into consideration optimal space and time complexities. Participants can use any backend language. Languages may include but not limited to C, Java, Python, Javascript, Go, Rust, Ruby, Perl, etc

Judges

- **Phase 1 (online coding judges):** 3 judges spanning from software engineering, graphic design and business. Must include at least 1 female judge.
- Phase 2 (code battle day): 3 judges spanning from the fields of software development, UI/UX design and business. Just include at least 1 female judge

Judging criteria

Budget

Item	Price per unit	Units	Total Price
Tshirts [Participants, judges, organizers, volunteers]	3,500	100	350,000
Chairs	100	300	30,000
Tables	2,500	20	50,000
Internet	2,500	10	25,000
Sound System	40,000	1	40,000
Projector	20,000	1	20,000
Photography & Videography	50,000	1	50,000
Live streaming	50,000	1	50,000
Water	200	400	80,000
Transportation	5,000	1	5,000
Event Banner	70,000	1	70,000
Backdrop	48,000	1	48,000

Winner banner	10,000	2	20,000
Code battle prizes	1,000,000	1	1,000,000
Quiz price items	30	1,000	30,000
Participation pack for 17 teams * 3	5,000	51	255,000
Cheques for winning teams	10,000	5	50,000
Total			FCFA 2,173,000.00

Important links

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