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Key Terms: Gender Non-Conforming (GNC), …

**Intent of Application**

Provide networking opportunities to women and GNC people in the field of engineering and/or computing.

**Problem Statement**

In the predominant male-dominated field[[1](https://www.pewresearch.org/science/2021/04/01/stem-jobs-see-uneven-progress-in-increasing-gender-racial-and-ethnic-diversity/)] of engineering and computing, women and GNC people are often excluded and underheard within important discussions[[2](https://www.cmu.edu/news/stories/archives/2020/october/women-interrupted-debate.html)][[3](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6360392/)]; resulting in undermining of key skill-sets[[4](https://alltogether.swe.org/2020/03/the-importance-of-women-engineers-sweet-wisdom-march-2020/)], enabling workplace sexism and harassment[[5](https://www.linkedin.com/pulse/10-misogyny-scenarios-women-tech-experience-womentech-network/)], and starvation of opportunities[[6](https://hbr.org/2016/08/why-do-so-many-women-who-study-engineering-leave-the-field)].

**Proposed Solution**

Establish a non-profit web and mobile platform for gender minorities to network with one another.

**Expected Outcome**

By enabling women and GNC people to network with one another, we can provide the safe space and resources necessary for enabling opportunities (e.g., career guidance, project partners, etc.) to succeed in the field of engineering and/or computing.

**Execution Plan**

The following stages will be taken along with its respective considerations.

1. Product Design: Demographic, delivery, sustainability.
2. System Design: Scalability, security, database.
3. Application Development: Proposed Stack - ReactJS & React Native, NodeJS, MySQL, GCP
4. Product Deployment: Fail-Safes, down time.
5. Quality Assurance: User testing, platform moderation.
6. User Feedback: CI/CD.

**App Requirements**

The following features should be implemented to achieve the ultimate objective of the app:

Account system, user profile pages, direct messaging system, user personal network list, community groups, public posting, user base searching …

Additionally, to improve the application’s quality of use, the following features should be implemented:

Filter by: roles, education, location, experience, …