Organization: Daughters of Tomorrow (DOT)   
Website: http://daughtersoftomorrow.org/

Facebook: www.facebook.com/DaughtersOfTomorrow

Twitter: [@dotempower](https://twitter.com/embarcchicago)

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| **Mission** |
| To facilitate livelihood opportunities for underprivileged women and support them in building & sustaining financially independent and resilient families. |  |

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| **Context** |  |
| The main barrier in the back to work journey for most of the women served by DOT is the lack of flexible and affordable child-minding support. Many women have minimal support on this front from their families. The current childcare system in Singapore requires a parent/guardian to pick up the child by 7pm each day and there are no child-minding options for weekends and public holidays. In addition, if a child is unwell (e.g. Fever) they would not be allowed in school and the parent/guardian would have to seek alternative child-minding solutions for that period. Due to this limitation, many women have had to turn down some job opportunities because they were unable to find someone to help them care for their children whilst they are at work. Some women have also chosen to limit their earning capacity by taking on part-time jobs to work around the limits of childcare availability.  There is no informal child-minding support network currently in place that women are able to tap into, based on geographical proximity to their residence. DOT currently has more than 600 women in their database, with a target to support 1000 women in their back-to-work journeys over the next 5 years. The service pool of low-income women that this application can potentially benefit is estimated conservatively at 25,000 across DOT’s network of social service center partners.  Currently, there are no government regulations surrounding such informal child-minding or babysitting arrangements. |  |
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| **Challenge Statement** |
| Create an app that matches mothers who wish to seek employment outside the home and have childcare needs (Group A) to women who live within a set geographic proximity, who have the ability and willingness to assist in the child-minding for a small fee (Group B). Group B women should have the ability to choose timeslots during which they can provide their childcare services.  There should be a peer rating system in place so that the mothers who are placing their children in the alternate childcare option have basic background information of the women they are matched with. Ratings/reviews should also be given by the child-minder for the working mother in areas such as promptness of payment and issues with the children, so that their interests are also protected.  This application serves three primary constituents:   * **Group A**: Mothers who need childcare support and are willing to pay a small fee for the service. * **Group B**: Mothers who are willing to provide childcare support in return for a small. * **DOT Staff**: Responsible for the operations and monitoring of the process.   We know your time is limited at this event. You may decide to focus on a single constituency for your application build or a subset of the constituents. We are looking for creative ideas on how to enable this process. |

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| **Technology Baseline** |

For the purpose of this coding challenge, you are not restricted to any specific technology. You can model your solution as a web application, mobile app, responsive app or other. In your roadmap, be prepared to discuss how you would go about approaching this solution if you had more time. In your proposed solutions, please also be prepared to discuss how you would protect the privacy of the participants who leverage your application.