**Systers 2018 GSoC Student Application**

**General Questions**

* Full Name: Prathamesh Prabhakar More
* University/Current Enrollment: Zeal College of Engineering and Research, Pune, India.
* Major(s): Computer Engineering
* Short Bio/Overview:

My name is Prathamesh More and I am 20-year-old. I am 2nd year B.E. student at Zeal College of Engineering & Research, Pune studying Computer Engineering. I have experience of programming in C, C++, Java, Python, HTML, CSS., most of the time I am doing Android Development. I have familiar with Syster in the last 1 month. I have done one quick PR [[#1030](https://github.com/systers/powerup-android/issues/1030)] and summited. By doing this PR I learned how to use Git and GitHub, make changes in the source code, and summiting the PR, in this patch, I fixed hardcoded strings in XML files. Also, I am a patient learner and like to work in collaboration. I am an active member of my institute’s Zeal Mozilla Club. This is my first participation in GSoC. During the summer GSoC will be my first priority since I won’t have any other commitments during this period.

* Join the [Systers OS Slack](http://systers.io/slack-systers-opensource/) & introduce yourself in #intro channel, then read the [Code of Conduct](http://systers.io/code-of-conduct) & write “I have read the Code of Conduct” in the #code-of-conduct channel.
* Contact Info?
  + Email: moreprathameshmore@hotmail.com
  + GitHub Username: pprathameshmore
  + Systers OS Slack Username: Prathamesh More
* *[1]*

**Community Involvement Questions**

* Yes, I understand Systers’ mission, encouraging the participation of all women involved in technology. I actively attend in local [GDG Pune’s](https://www.meetup.com/Pune-GDG/) meetups. [Women TechMakers](https://www.meetup.com/Women-Techmackers/) also arranges many events for enhancement skills of women’s. Women Techmakers in association with Google Developers Group, Pune.
* I helped
* Give us 3 examples (max. 2 lines per example) of unaccepted behavior in a multicultural community.
* This is my first participation in GSoC. I hoping that this will be a kickstart for open source development. This would be a great way to exposure to real-world applications, a collaboration of code and interacting with the open source community. After GSoC period, I want continuous involved with open source as a regular committer for Syster. There are lots of other interesting projects for I want work on them and I would like to be a mentor for Google Code-In for next year because of mentoring 13-17-year-old students, it will be an awesome experience.

**Background Questions**

* I have one PR [[#1030](https://github.com/systers/powerup-android/issues/1030)] for fixing hardcoded strings in XML files. I tried adding new color dress for a game character, still working on this feature, actually understanding code base. Soon I will add these new colored dresses.
* I know concepts of software testing learned in Diploma, Unit Testing is used for testing individual unit component. Integration testing combines more than one-unit testing, but I don’t have any real project-based experience with creating unit testing, integration tests, or regression tests. But I would like to learn software testing in real projects-based testing.

I tried some online tutorials for Local Unit Testing for Android using Junit or Mockito. It doesn't take much time to learn for me. I got a simple example of Unit Testing from Android Developers website:

import org.junit.Test;  
import java.util.regex.Pattern;  
import static org.junit.Assert.assertFalse;  
import static org.junit.Assert.assertTrue;  
  
public class EmailValidatorTest {  
  
    @Test  
    public void emailValidator\_CorrectEmailSimple\_ReturnsTrue() {  
        assertThat(EmailValidator.isValidEmail("name@email.com"), is(true));  
    }  
    ...  
}

After googling these things I get more idea about that!

So It is easy to learn!

* I have experience working in C, C++, Java, Python, HTML, and CSS. Among databases, I mostly worked on MySQL and Firebase.
* [Android App Zeal Math Olympiad](https://play.google.com/store/apps/details?id=com.prathameshmore.zealmatholympiad&hl=en): The Aim of this project to help HSC students. It provides the best platform for to make mock practice for MH-CET Exams for HSC appeared student. It has features like important study material and video tutorials, mock tests etc. ([GitHub](https://github.com/pprathameshmore/ZealMathOlympiad)).
* Android App for [Computer Engineering Department](https://github.com/pprathameshmore/CO_JJMPOLY_AndroidApp): I have developed Android app for Computer Engineering Department while I was studying in Diploma. This app provides Notices, Event Notification, Timetable, Important Messages to students. It is the first app I have developed.
* Developed [Weight On Other World Android app](https://github.com/pprathameshmore/WeightOnOtherWorld) for kids which shows What is your weight on other planets.
* Doing competitive programming.
* I have minimal open source experience. But I am regularly using [GitHub](http://www.github.com/pprathameshmore) for my own projects and development. GSoC will kickstart for open source development.
* What motivates you to be a part of GSoC 2018?
* Describe the largest project you have completed. This is not limited to coding. You can include fundraisers, school clubs, hackathons, etc. (Include # of members, time zones, details, etc.)
* I worked on some projects. Participated in hackathons.

1. [**Zeal Math Olympiad**](https://play.google.com/store/apps/details?id=com.prathameshmore.zealmatholympiad&hl=en)**:** Me and one of friend [Santoshkumar Vijapure](https://github.com/santosh62) have done the largest project for our college, building Android app for Zeal Math Olympiad Competition (ZMO). ZMO is state level competition for HSC students. We have implemented all feature required by the college. We are used Firebase as backend. Firebase is easy to use, cross-platform, NoSQL database.

Features that we are implemented:

* *Registration for competition through the app.*
* *Provide study materials(PDFs).*
* *Videos tutorials.*
* *Practice tests for competition (Web Portal for tests).*
* *The user can receive important notification about competition.*

*(*[*GitHub*](https://github.com/pprathameshmore/ZealMathOlympiad)*)*

1. [**SMART University – Hackathon (Apps)**](http://www.mituniversity.edu.in/mitpersonafest/Computer_and_IT_Events/Smart_University_Apps): In this hackathon, we had given a problem statement on which we have to work on for straight 30 hours. We had developed Android app with Firebase as backend. We tried to implement all features as possible as we can. Hackathons are always good. They teach to build working prototypes within time constraints. They teach learn to work in teams. They learn to brainstorms. They learn about prioritize features.

Features that we are implemented:

* *Report about cleanness in college.*
* *Order food in the canteen.*
* *Report about Lost and found things.*
* *You can get all event notification in the app.*

*(*[*GitHub*](https://github.com/pprathameshmore/MIT-Hackathon)*)*

[All projects are available on GitHub.](https://github.com/pprathameshmore?tab=repositories)

* Do you know what a branch is? Use your own words to define a branch in a repository.
* I have final university exam from 14 May to 29 May. But in this time period I trying to complete a simple task like designing new accessories, clothing, and hairstyle in Photoshop from the free time of the study. Helping another community member to implement their feature.

**Project Specific Questions**

Which Systers GSoC project from this [Ideas List](https://github.com/systers/systers.github.io/wiki/GSoC-2018) are you applying for (please submit a separate application for each project):

**Powerup**

**Systers Project**

Powerup

During installation, what problems, if any, were presented? Describe those problems. Was there anything that prevented you from getting the entire application up and running?

What kind of experience do you have with mobile applications? Have you ever worked on game development? Please describe your experience in detail.

Include any mock screens to reflect the new Pre-Game Setup.

**Project Features/Enhancements and Timeline**

*What are the features/enhancements that you plan for the summer with <your project>? (please use bullet points)*

**Potential Timeline for the Features/Enhancements**

*Include milestones with dates, tests, and documentation. A good timeline realistically estimates goals and represents a breakdown of tasks ideally on a weekly/fortnightly basis typically outlining a deadline, your goals and how you plan to measure your progress*

(Please note that this timeline is only meant to be a guide for your work throughout the program, your goals and expectations will be adjusted during the Community Bonding Period after discussion with your mentors and admins.)

|  |  |  |
| --- | --- | --- |
| Period (Community bonding, First Coding Phase, etc.) | Milestone | Due Date |
| Community bonding | I will understand relevant code base in more detail. Also, I will try to get to know more about my mentor and my GSoC friends. I will understand how the other features are implementing. | 23 April to 14 May |
| Exams | University Exams but I will try to design new accessories, clothing and hairstyle in free time from the study. | 14 May to 29 May |
| Holydays after exam | After university exams, in holydays, I will start working on creating and designing new avatars with Wheelchairs, Hearing Aids, Walking Stick, Crutches, etc. Adding new designs discussing with the community. | 30 May to 13 June |
| First Evaluations | Try to implement above features from me as possible as soon. | 14 June to 15 June |
|  | Four new sceneries (new game ideas as similar to new sceneries) discussing with the community.  Try to implement them. | 16 June to 23 June |
|  |  | 23 June |

What is your backup plan for time management in the event of unseen difficulties that you might encounter? (E.g.: computer breaking down, family emergency etc.)

*This question has a character limit of 250.*

**Optional Question**

Beginner, but not for long!