

# SYSTERS

AN ANITA BORG INSTITUTE COMMUNITY

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## Systers Portal

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### Requirements Document

April 21, 2014

### Document Change Control

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The following is the document control for the revisions to this document.

Version Number	Date of Issue	Author(s)	Brief Description of Change
0.1	4 Apr 2014	R. Robinson	Initial document

### Definition

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The following are definitions of terms, abbreviations and acronyms used in this document.

Term	Definition
ABI	Anita Borg Institute
GHC	Grace Hopper Celebration
WiC	Women in Computing
HSK	Her Sisters' Keeper

# Table of Contents

---

Overview.....	4
1. Background .....	4
A. The Problem and Challenges .....	5
B. Scope .....	7
Functional Requirements .....	8
2. Administrator Functionality .....	8
A. Edit portal administrator profile .....	8
B. Create new community categories .....	8
C. Create new community users .....	8
D. Create new community resource area .....	8
E. Create and manage organizational meetups.....	9
F. Approve new community requests .....	9
G. Organizational administrators full access level.....	9
3. Community Administrator Functionality .....	9
A. Edit community profile .....	9
B. Edit community resource area .....	9
C. Edit social media accounts.....	9
D. Create new community resource area .....	9
4. User Functionality .....	10
5. Future Enhancements .....	10
Appendix.....	11
6. New Community Proposal.....	11
7. New Communities Setup Checklist.....	11
A. Email List.....	11
B. Social Media Channels .....	11
C. Promotion .....	11
D. COMMUNICATION .....	11

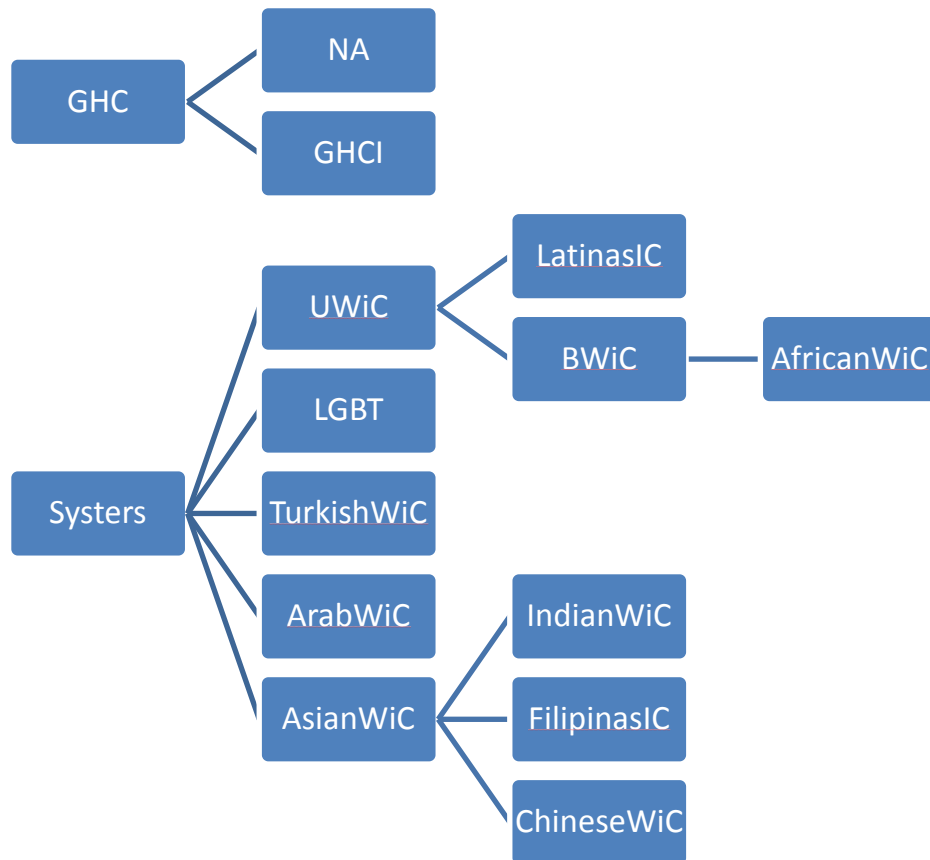


## Overview

### 1. Background

Systers, an Anita Borg Institute (ABI) Community is the flagship community for women in computing. Created in 1987, this community has over 4,700 members as well as over 3,000 plus members in special interest groups and affinity groups. Additionally, ABI's annual conferences, GHC, leverage Systers and sub-communities for GHC volunteer note takers and bloggers.

Figure 1 Current ABI Communities Structure



## A. The Problem and Challenges

With the continuous growth, new communities and sub-communities, and recent website upgrade, communities do not have a way to post and share pertinent information for Sisters and their individual groups.

Before rebranding and new website, ABI (Anita Borg Institute) had sections/pages for Sisters and each subgroup (Latinas, LGBT, and Black Women in Computing, TurkishWiC and ArabWiC). This allowed for subgroup members to find information specific to their group.

The portal project is to have administrators from Sisters and subgroups to provide the same information above in one portal area. Below are screen shots from old website that we want to similarly implement for new portal.

Figure 2 Previous Sisters Main page

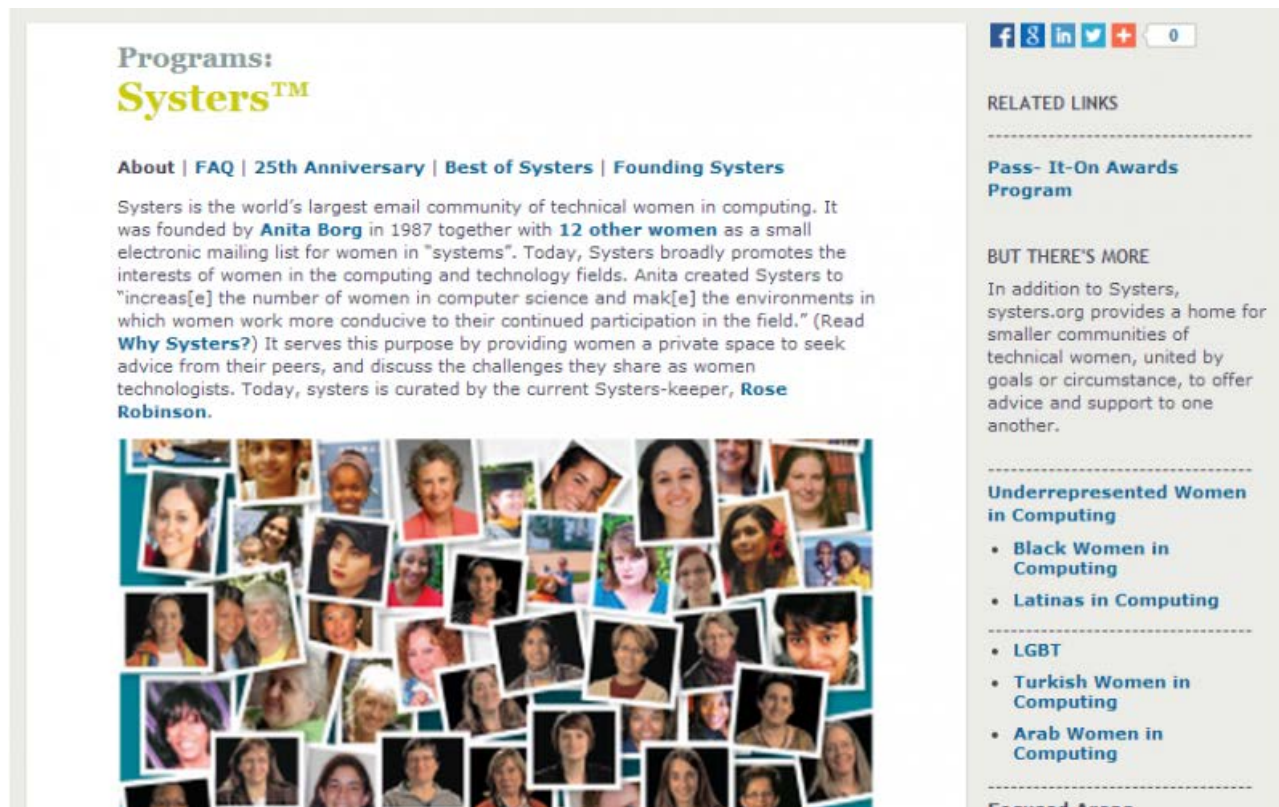



Figure 3 Previous Sub-Community Page

## Systers™: LiC: Latinas in Computing

[About](#) | [Join](#) | [Resources](#) | [FAQ](#) | [Grace Hopper](#) | [News](#)

*A community created by and for the Latinas in computing with a mission of promoting their representation and success in computing related fields.*



**Latinas in Computing** community was established with the help of Anita Borg Institute for Women in Technology (ABI) after a Birds of a Feather session in the **2006 Grace Hopper Conference** at San Diego, CA titled Latinas in Engineering, where a group of **energized Latinas** from the industry, government labs and the Academia got together to discuss the strengths of the community and the misconceptions affecting it. We talked about different aspects of being a double minority, including the self-limiting beliefs that interfere with our ability to excel and establish ourselves as leaders in the Computing community. Given the great resemblances among the experiences of the participants in this event, Latinas in Computing established as its first goal to define key strategies to promote leadership and professional development among current and next generation of Latinas.

As a first step towards achieving this goal, Latinas in Computing organized **three events** at the **2007 Grace Hopper Conference**. Since then, our community has collaborated and participated in multiple events with partners such as **CAHSI**, **SACNAS**, **CRA-W** and **MentorNet**. Latinas in Computing has a strong presence at the Grace Hopper Conference.

For more information about this community please visit [latinasincomputing.org](http://latinasincomputing.org)

- [LiC at GHC13 Brochure](#)
- [LiC presence at Grace Hopper Conference](#)

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RELATED LINKS

- [Systers](#)
- [Pass-It-On Awards](#)

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Women of Color

- [Black Women in Computing](#)
- [Latinas in Computing](#)

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- [LGBT](#)
- [Turkish Women in Computer Science](#)

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Focused Areas

- [Entrepreneurs](#)

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Co-sponsored CRA-W Lists

- [PhdjobhunHers](#)
- [JrProfessHers \(Pretenures\)](#)
- [ProfessHers](#)
- [ResearchHers](#)

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Technical Focus

- [Systers-Techtalk](#)
- [Systers-Foss](#)

Figure 4 Sample GHC schedule for Black Women in Computing Activities

<p><b>WEDNESDAY, OCTOBER 2, 2013:</b></p> <ul style="list-style-type: none"> <li>• 7:00pm – 8:00pm: <b>Black Women in Computing Reception (@MCC 205B)</b></li> </ul> <p><b>THURSDAY, OCTOBER 3, 2013</b></p> <ul style="list-style-type: none"> <li>• 11:45am – 12:45pm: <b>UWiC Panel Building Leadership Skills: A Diverse Perspective (@MCC Auditorium 3)</b></li> <li>• 12:45pm – 2:15pm: <b>Women of Color Lunch (@MCC Ballroom B)</b></li> <li>• 2:15pm – 3:30pm: <b>UWiC Panel Speed Mentoring (@MCC 200 D-G)</b></li> </ul> <p><b>FRIDAY, OCTOBER 4, 2013</b></p> <ul style="list-style-type: none"> <li>• 3:45pm – 4:45pm: <b>UWiC Panel Breaking Through The Concrete Ceiling/Avoiding the Glass Cliff: A Diverse Perspective (@MCC 200 D-G)</b></li> </ul> <p><b>SATURDAY, OCTOBER 5, 2013</b></p> <ul style="list-style-type: none"> <li>• 10:00am – 5:00pm: <b>Grace Hopper GenConnex Gaming Workshop organized by Black Women in Computing and Black Girls Code (@ MCC: 213 A-B)</b></li> </ul> <p><b>BWIC AT GRACE HOPPER CONFERENCE ARCHIVES:</b></p> <p><b>BWIC at Grace Hopper Conference 2011, Portland, Oregon</b></p> <p><b>BWIC at Grace Hopper Conference 2012, Baltimore, Maryland</b></p>	
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Figure 5 Sample Short Description Page

<p><b>Systers™:</b>  <b>Turkish Women in Computing</b></p> <p><b>About   Join   Resources   FAQ   Grace Hopper   News</b></p> <p>The TWICS (Turkish Women in Computer Science) list is formed from the membership of Systers. It seeks to discuss questions of interest to females of Turkish decent. Sharing of experiences is encouraged in a mentor-like atmosphere. It is a place to connect and network, to learn and to grow.</p> <ul style="list-style-type: none"> <li>• <b>Join TWICS</b></li> <li>• Existing members may <b>edit their preferences or unsubscribe</b>.</li> <li>• <b>Contact TWICS-Keeper:</b> Gulustan Dogan, Seniha Esen Yuksel, Gokcen Cilingir and Umit Yalcinalp.</li> </ul> <p>Please note, that this list is guided by the <b>Systers' FAQ</b>.</p>	<p>      0 </p> <p><b>RELATED LINKS</b></p> <ul style="list-style-type: none"> <li>• <b>Systers</b></li> <li>• <b>Pass-It-On Awards</b></li> </ul> <hr/> <ul style="list-style-type: none"> <li>• <b>Join Systers Email List</b></li> <li>• <b>Join TWiC Email List</b></li> <li>• <b>Join LinkedIn Group</b></li> <li>• <b>Join Facebook Group</b></li> <li>• <b>Follow us on Twitter</b></li> </ul>
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## B. Scope

For GSoC 2014 project timeline, the scope of the project is defined in the following sections for Requirements, timeline and deliverables.



## Functional Requirements

With many of our Systers communities, many define themselves within a special location or focused groups. Some of the determining factors of starting a community are: sharing similar cultural backgrounds, special interests or topic areas, and geographic location. Each community entity also creates their online space for engagement. But the real problem is how to bring all of these online communities into one organized communication place for our members. To find a solution starts with defining some of the challenges we currently face.

The following user case is addressed:

- Administrator
- Community Users
- Visitors

### 2. Administrator Functionality

Administrative functionalities for the new Portal should include:

#### **A. Edit portal administrator profile**

This should be at organizational level including basic information like organization name, address, contact person, website url, time zone and social media accounts.

#### **B. Create new community categories**

Portal administrator should be able to create new community and create new categories based on [Figure 1](#).

#### **C. Create new community users**

Administrator should be able to create new community administrators, assign a community category and assign different levels. Each level would provide various levels of access. Would like to implement various levels of access, for example,

- Level 5 (Admin all rights)
- Level 4 (Manage users and content)
- Level 3 (Manager content)
- Level 2 (Content contributor)
- Level 1 (Only view mode and comment)

#### **D. Create new community resource area**

Portal administrator should be able to generate new community resource area that includes the following basic page templates that are specific to the community, including Main Systers area.



- Main Community page
- Join Information
- GHC Activities
- Meetups
- Resources
- News

#### **E. Create and manage organizational meetups**

Organizational administrators should be able to create and manage meetups, including global and community created meetups.

#### **F. Approve new community requests**

Administrators should be able to approve new community requests that are submitted by Systers. Only Systers can submit a new community requests. See screenshot in [Appendix](#).

#### **G. Organizational administrators full access level**

Organizational administrators should have full access to all sub-sequent levels for support.

### **3. Community Administrator Functionality**

Administrative functionalities for the new Portal should include:

#### **A. Edit community profile**

Community administrators should be able to edit community profile including

- Main contact person (name and email)
- Community name
- Short Description
- Long Description

#### **B. Edit community resource area**

Community administrators should be able to edit resource areas (includes all pages listed in [section 1.C](#)).

#### **C. Edit social media accounts**

Community administrators should be able to edit social media accounts for their specific community for sharing, retweets and posting in their specific social media channels.

#### **D. Create new community resource area**

Community administrator should be able to generate new community resource area that includes the following basic page templates that are specific to the community, including Main Systers area.

- Main Community page
- Join Information
- GHC Activities
- Meetups
- Resources
- News

Community administrators should be able to identify each page as “public” or “private”. Public is visible by anyone and “private” is viewable by only those users who is registered and belongs to specific community.

#### 4. User Functionality

Users could be community members or just visitors to the sites.

- Users/visitors should have an option to create a profile account.
- When creating a profile, users should be able to select community membership.
- Users/visitors should be able to navigate to all of the pages that are
- Systers should be able to submit a request to start a new community.

#### 5. Future Enhancements

Some of the features above are precursors to future enhancements below.

- Administrators should be able to verify membership of all registered users.

## Appendix

### 6. New Community Proposal

Currently, Systers sends Her Systers' Keeper (HSK) and email inquiring about a new sub-community. HSK provides them the community proposal form to complete. They submit the form to HSK. Then HSK forwards form to ABI executive team for review process. Once approved, HSK notifies the community administrators and begins communities setup.



ABI\_Community\_Proposal\_Form.pdf

### 7. New Communities Setup Checklist

HSK follows checklist to ensure all community components are setup.

#### **A. Email List**

- ☐ Set up your email list

#### **B. Social Media Channels**

- ☐ Facebook group
- ☐ LinkedIn group
- ☐ Twitter account

#### **C. Promotion**

- ☐ Schedule email to main list and submit to Her Systers' Keeper
- ☐ Schedule your social media promotions

#### **D. COMMUNICATION**

- ☐ Create your meetup on Systers Meetup site (<http://www.meetup.com/Systers/>)
- ☐ Notified everyone in your area about the meetup (use your location Systers meetup site)
- ☐ Promote in Systers list, Facebook, LinkedIn, Twitter (@systers\_org, @systers\_awards)