# 0th Deliverable

## NAME: Tommy Glasser DUE: 12 Mar Received: .

**GRADE:**

**I attempted the bonus for both exercises**

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| --- | --- | --- |
| **CATEGORY** | **POINTS** |  |
| Write-Up |  | 10 |
|  |  |  |
|  |  |  |
| **TOTAL** |  | 10 |

## EXERCISES:

**0th Deliverable (12 Mar):** (10 points) Email me your application idea. Your description can be vague at this point, but I want evidence that you have been thinking about your project. Specify which device(s) you will be implementing your project for. Detail features you’re most concerned about. Give a rough schedule of features expected and when they will be complete.

**Application Idea:**

The application I will be developing will be for the Service-Learning Center here at Whitworth University. I will be creating a mobile device app more specifically for the RISE Program, a tutor and mentoring program. My goal in this application is make it easier for everyone who is a participant in RISE to be able to interact with each other and be able to find resources and or relevant data. The mobile app will be accessed by volunteers, Program Coordinators, Managers, and other employees or volunteers a part of this program. Upon opening the app, volunteers will be able to login with their own personal identification and password. The purpose of its usage is that volunteers will be able to access their information, such as the site they will be volunteering at, their schedule that they suggested. My goal with this is that volunteers will be able to make changes to their information (i.e schedule) and this will be updated on the Program Coordinator’s view. In addition, this will be a resource for volunteers to seek if they have questions.

For the Program Coordinators, they will have a bit more management in terms of creating new volunteers, organizing their volunteers and basically overseeing all activity by the volunteers. They will be able to quickly send emails to their volunteers if they have a certain question about a volunteer. In addition, the Program Coordinators will be able to keep track of who turns in their volunteers hours or completed surveys at the end of the semester.

For the managers, the manager will be able to access all information from each site and that information include all volunteers, all Program Coordinators, etc. The manger will also be able to conduct meeting times and see the changes and interactions between the Program Coordinators and volunteers.

Some common similarities between all three instances will be the ability to email each other through certain interactions. For example, if a volunteer changes his or her schedule, an email will be sent to the assigned Program Coordinator letting them know that (volunteer name) has changed their schedule.

Overall, my application idea is to create a database of volunteers, Program Managers and Managers and be able to manipulate the data appropriately to fit certain needs of each group. It will provide an easier means of tracking volunteers and looking at their schedule. I am trying to find ways to fix some of the issues we are dealing with in the Service-Learning Department on the RISE side of things in terms of communications and my hope is that the app will do just that.

**Device:** I will be implementing the project using iOS IDE for the iPhone (possibly iPad if time allows).

**Features for concern:**

Below lists some of the most common concerns as I am creating this deliverable:

* *Email:*
  + Part of the application I wish to implement allows the user to send emails via the app (most likely through a button press) where a screen will show up allowing the user to enter in their messages. The point of this is to create more consistent communication between the different users and parties. The concern I have about this is that I have a general understanding of what I want to do with the e-mail feature, however I do not much about *how* I will be doing this. The concerns that come to mind are whether or not I will be able to connect emails to specific volunteers and how the code will be implemented to send information back and forth through the network.
* *Database* 
  + The biggest focus for me on this project is handing the database on the server-side implementation. What I mean by this is that I will be needing to access certain data from some sort of database and my concern comes again in *how* I will go about handling the code so that it manipulates that data correctly. In addition, would I be creating my own database or using another database provided by the school. This is most likely the largest concern for me because I also do not know how databases connect to mobile devices and how they matter to save and change data on demand (as requested by the user i.e. the user presses the “schedule” button ).
* *Layout design*
  + Finally, I have another concern about how all of this will layout. What I mean by this is that I am concern about how I can make it easier for the user to access all of the information and transition through different pages of the app. I want the app to become easy to learn so that users can fully utilize the app.

**Rough Schedule:**

* Week of Mar 17: Create design document
* **Project Design: Mar 21**
* Week of Mar 24th: Work on interface/layout design for the app
* Week of Mar 31-first week of April: work on basic functionality of each button and page turning
* Week of April 7th: Start creating a simple database with relationships between the data
* Week of April 14th: Get the project ready for demoing beta version
* **Project Prototype/Beta: Apr 16**
* Week of April 21: Start implementing email capabilities and functionality
* Week of April 28 – May 2: Continue working on email and database to full functionality
* Week of May 5: Fixing bugs and errors (if time allows, implement login feature)
* Finals Week: Write-Up and presentation
* **Final Deliverable May 16**

**\*bold items specify due dates**