

Lab 2 – Product Specification Outline Section 1 and 2

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1. Introduction

1.1 Purpose

The Roc Solid Foundation helps families of children with cancer get through the rough time. They give out to the families a Ready bag that contains an Android-based tablet. Families don't have a way to live chat with the Roc Solid Foundation currently. The Roc Family Webpage will help fix the lack of a live chat. The Roc Family Webpage will be available on Chrome, Firefox, Safari and Internet explorer and be easy to use. The Roc Family Webpage will also have games, movies and local deals listed.

1.2 Scope

The webpage is going to enable the families to live chat with Roc Solid Foundation staff. The families will be able to view movies, games, and events/deals. The Roc Solid Staff have a live chat. They will also have the ability to add and delete users, movies, games, and events/deals. The prototype will be tested using with both a family account and a Roc Solid Foundation staff account.

1.3 Definitions, Acronyms, and Abbreviations

- PHP: Server scripting language
- MySQL: Relational database management system
- Apache2: Web server
- RSF: Roc Solid Foundation
- Roc Solid Foundation - builds hope for children battling cancer and their families by offering opportunities for them to do what they do best – play.

- Roc Solid Play It Forward – builds custom playsets in the backyards of children ages 1 – 8 fighting cancer and completes room makeovers for children ages 8 – 18
- Roc Solid Ready Bag - includes everything a family might need for their unexpected hospital stay – toiletries, a blanket, a prepaid debit card, a journal, a tablet, and more.
- Roc Family - an application that is preloaded onto the tablet provided in the Roc Solid Ready Bag, which offers comfort support for parents and entertainment for children, during this stressful time in their life.

1.4 References

Building Hope. (n.d.). Retrieved February 04, 2018, from <http://rocsolidfoundation.org/>

Lab 1 Collaborative Outline, Roc Family

2 General Description

2.1 Prototype Architecture Description

The Roc Family web app will be hosted on a Computer Science Virtual Machine. The Virtual Machine will have a database server. The web application will have a login account that is either family or admin. Both the family accounts will have the ability to view games, movies, and events/deals. The accounts will also have access to a chat functionality. The Admin accounts will have the ability to add and remove accounts, games, movies, and events/deals.

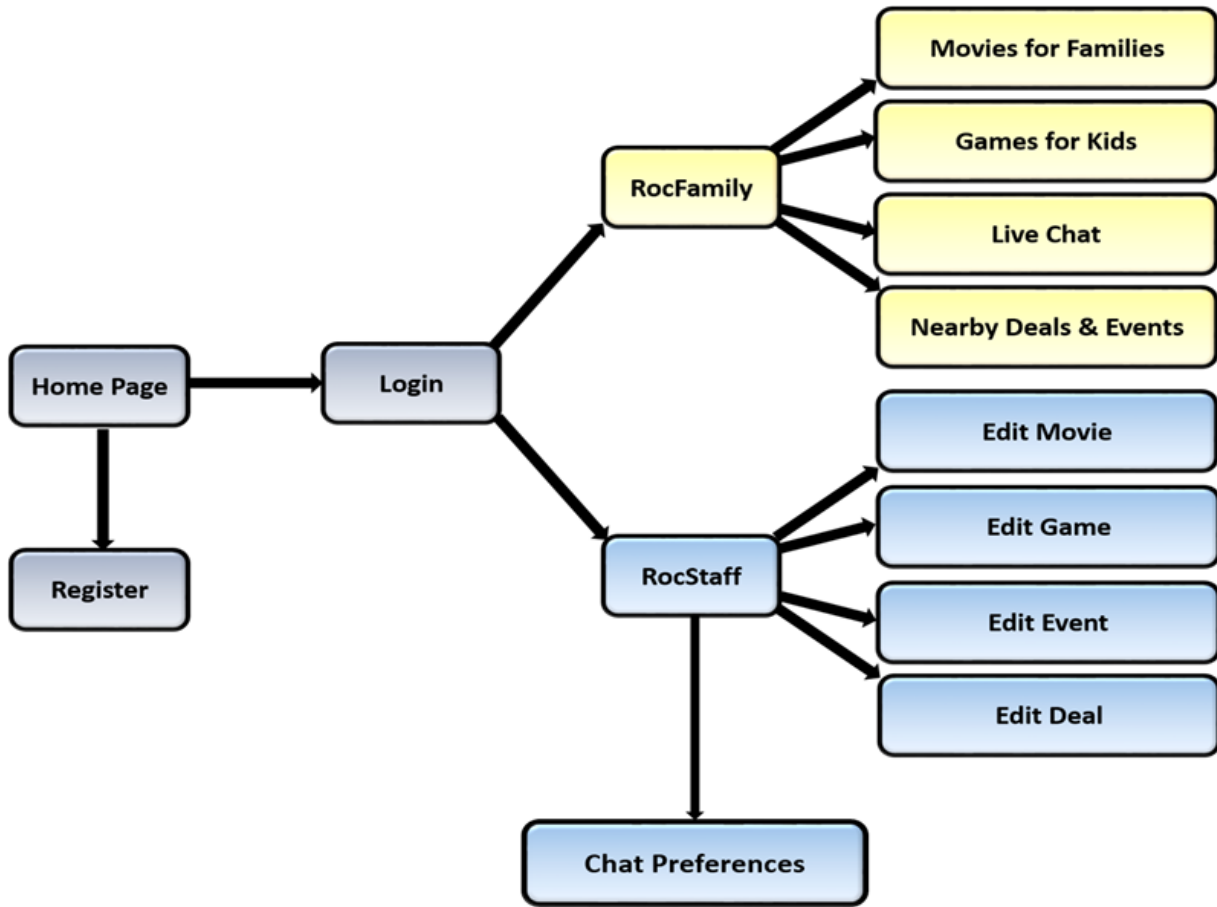


Figure 1: Site Map

2.2 Prototype Functional Description

The families will have access to a live chat. The Live chat will be in real time with a Roc Solid Foundation member. A history of the chat will be saved. The families will have access to movies and games which will be accessed through links on the webpage. The family will be able to view deals/events which will be link and/or shown on the webpage.

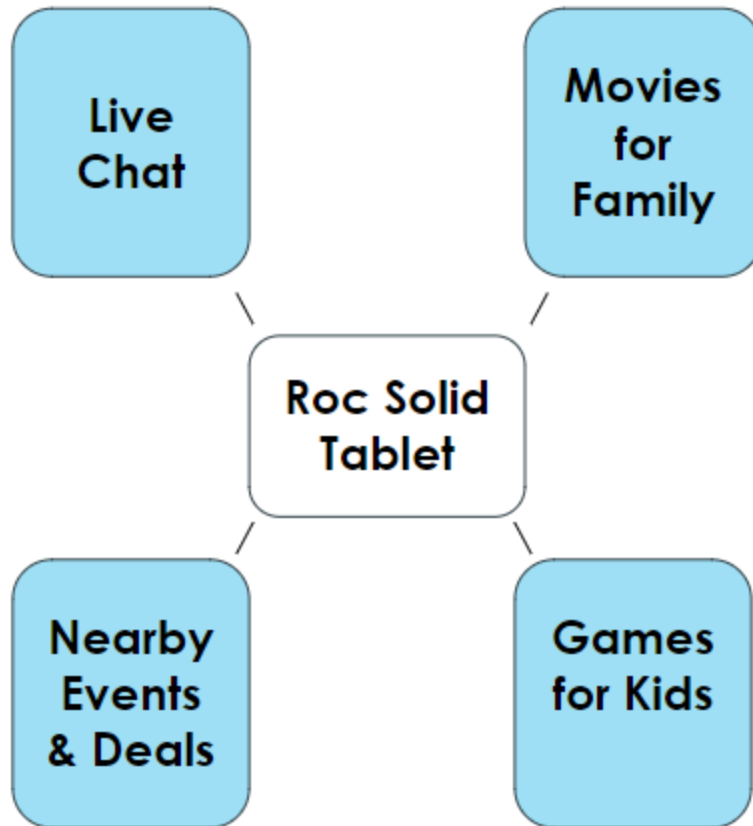


Figure 3: Patient and Family Solution Process Flow

An admin account will have access to the same functionality as the family accounts. The admin accounts will also be able to add and delete games, movies, events and deals. Admin accounts will be able to view chat history.

2.3 External Interfaces

2.3.1 Hardware Interfaces

The website will have be access by a touch screen on a tablet.

2.3.2 Software Interfaces

The website will interface with the database in order to store the games, movies, deals/events, and the profile information. It will also have to interface with common web browsers.

2.3.3 User Interfaces

The website will have a user interface for the ability to view the event/deal, games, and movies. It will also have an interface for signing in as well as creating an account.