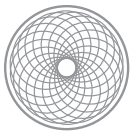


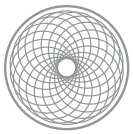
Team Name

Tyd:**Life**Logger

Prepared for: Mark Fontenot and Christopher Raley
Prepared by: Team Name, Team #2

October 20, 2012
Proposal number: 123-4567

Southern Methodist University Bishop Blvd University Park, TX 75205 **C** 972 822 7693 tyd@gmail.com www.tyd.com



Team Name

Executive Summary

Objective

Tyd is a photo life logging application with a familial twist. The purpose of Tyd is to provide an application where parents can capture the life of their children through photographs, add a quick detailed summary, and then flip through their children's life in a way that is visually capturing. This application provides a picture timeline of their children through the growing years and a social network to other parents as well. Tyd's objective is to become a very personal log of not only your children, but yourself that can be easily shared, and transform unforgettable events into tangible memories.

Goals

Tyd's ultimate goal is to provide families with a keepsake. Many families log important events in their children's lives in different ways. Some parents draw lines on the walls of their homes to mark their children's growth. Some parents diary about their children's stories. Some parents keep childhood toys and gifts so they can never be forgotten. With technology and social networking becoming such a huge part of everyone's lives, Tyd will provide a mobile application in which parents can document these important moments.

Solution

Create: This application must be simple, and easy to use, with one type of post, a photo post. Each photo post will allow parents to upload a picture and accompany it with a time, date and description. Each parent will have the option of adding their own pictures from childhood to birth into their personal timeline.

Organize: These posts will be organized chronologically and take place in a timeline.

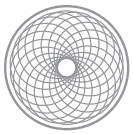
Connect: In order to fulfill the social network aspect of our application, parents can follow other parents as well as connect to their spouse member and share a child's timeline.

Compare: The compare feature in our application allows parents to compare themselves at a certain age (in the case that photos have been provided) to their children or compare their children at different/same ages.

Share: Tyd's share feature takes the timeline off digital and into your hands. The ability to print pictures into albums, photo frames, cards, or even scrapbooks is available.

Tyd

Tyd is Afrikaans for time. [Something kind of interesting here to end it off of, Application is not actually named Tyd but we should explain the name here with one REALLY good line]



Team Name

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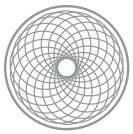
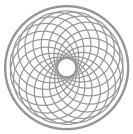


Team Name

Software and Technology

Software	Version
Eclipse Classic	4.2.1
Android SDK	
Android Phone	2.3.3 (?)
Google Chrome, Safari, or Firefox	

Technology	Tier
HTML	Graphical User Interface
Javascript	
JQuery API	
CSS/CSS3	
MySQL	Database
PHP	Middleware (Application/Business Logic)
Akuna Framework (?)	
PDO Database Abstraction Layer (?)	
Amazon Web Services	Host



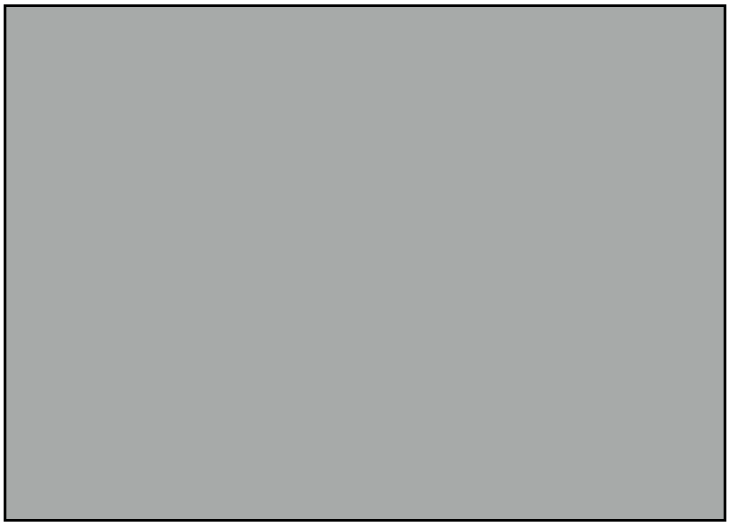
Team Name

Use Case Diagram

Database

D.1 **Entity Relationship Diagram** - *Name Here*

Explanations here.



D.2 **Logical Database Model** - *Name Here*

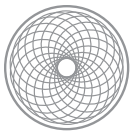
Explanations here.

D.3 **Conceptual Database Model** - *Name Here*

Explanations here.

Data Storage and Technologies

- Name - Explanation right here.
- Name - Explanation right here.
- Name - Explanation right here.
- Name - Explanation right here.
- Name - Explanation right here.
- Name - Explanation right here.



Team Name

Middleware

PHP and Why

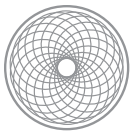
Tyd's application/business logic layer is programmed using the scripting language PHP: Hypertext Processor. PHP is open-source, cheap to use, and easy to debug. Using PHP will lead to a reduced development time for Tyd and allow more time for testing.

The main reason for choosing PHP over other scripting languages like Python, Perl, Ruby on Rails, ASP.NET, etc is because PHP works seamlessly with MySQL, the open-source database which supports [Product Name]'s data. The main purpose of a server-side scripting language is to be able to communicate with the database and return results over to the client side. PHP's connection with MySQL makes this an effortless task, and with the availability of third party Database Abstraction Layers, this task becomes even less tedious.

With PHP's shallow learning curve, many other developers in this joint Database Concepts/GUI project will be choosing PHP as well. This local support combined with the global support of developers on the web using PHP makes PHP a well documented scripting language, as opposed to Python. The availability of resources concerning PHP was a big factor in our decision. In addition, PHP offers us an easy transition because of it's foundation based on object oriented programming principles. Many of our developers have worked with object oriented programming in the past using languages like Java, C++, Javascript, etc.

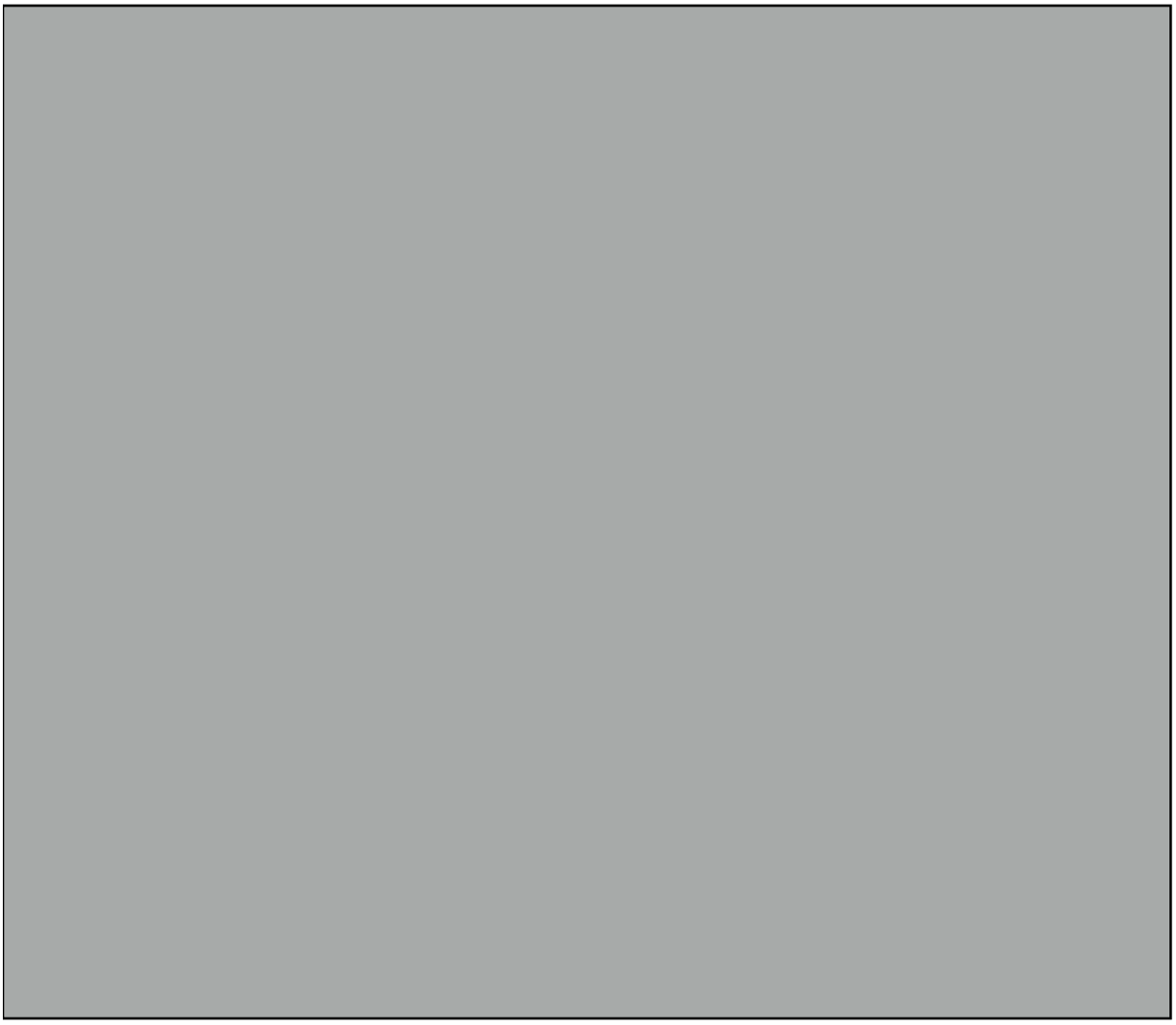
PHP is not only easy to learn and well documented, but flexible as well. It can be used and is well supported on all major operating systems including but not limited to UNIX variants, Linux, Mac OSX, Windows. This allows us more freedom than using a language like Ruby on Rails, which has a better testing and developing environment on Mac OSX than in Windows.

Last but not least, PHP has a wide range of frameworks to choose from. We wanted a language with available frameworks in order to create less work on our end, and still produce a cohesive end-product. These frameworks reinforce database support, community support, documentation support, and model view controller architecture.



Team Name

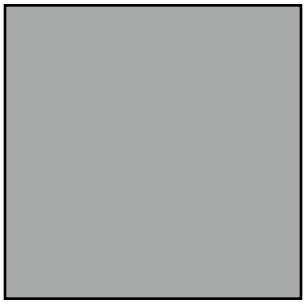
Activity Diagram/Diagram



Explanation:

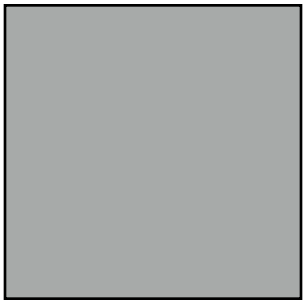
Graphical User Interface

User Profiles



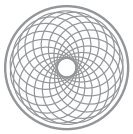
Naomi Hunter
Age: 16
Job: Student
Education: Some High School
Location: Nashville
Average time spent on web per week: 30 hrs
Average time spent on Android per week: 60 hrs
Average number of photos shared weekly: 20
Average number of photos shared weekly: 2

About: Naomi is the family technical guru. She is constantly hastled by her parents and grandparents to help them with their computers and cameras. Her parents feel that pictures are very important in keeping tabs on their children's life. Naomi makes sure that her parents are content with their organization of photo albums. Because her parents are all about documenting her and her siblings life ,frameless is a perfect product for her family.

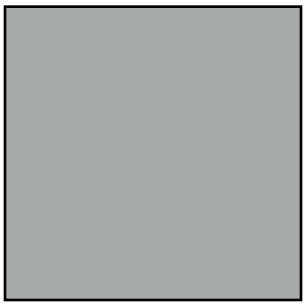


Meryl Campbell
Age: 42
Job: Secretary
Education: Associate's Degree
Location: Chicago, Ill
Average time spent on web per week: 35 hrs
Average time spent on Android per week: 14hrs
Average number of photos shared weekly: 10

About: Meryl is not only in charge of documenting the memories of her family but she also keeps all of the employees in her office up to date on how to manage their photos and memories. She would be the first one to find out about and idea such as frameless because she is constantly looking for the latest and greatest in memory maintaining.



Team Name



Kevin Baker
Age: 10
Job: Student
Education: Elementary School
Location: San Diego, California
Average time spent on web per week: 45 hrs
Average time spent on Android per week: None
Average number of photos shared weekly: 1

About: Kevin spends a lot of time on the computer. Between him and his friends they have probably connected on every possible social network. He loves to play games and share information to his friends over the web. They love to take pictures to spark conversations and find a lot of enjoyment in seeing what each other are up to at all times.

Task Analysis Report

Q: Have you ever used any sort of social media website or application that put emphasis on sharing photos, such as Facebook or Photobucket?

Q: If yes, what did you find convenient or inconvenient about said website or application?

Q: When you want to show a photo to somebody that is not physically near you, what methods do you usually take to do so?

Q: Do you usually take photos with your phone or some sort of digital camera?

Q: Would you find it convenient for an app to allow you to upload photos to an album directly from your phone's image folder?

Q: Would you want most of the photos you upload to an online photo album to be public, friends only, or unlisted?

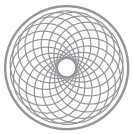
Q: Would having an app that would automatically provide various data on photos you upload, such as location and time taken, appeal to you?

Q: If so, would you rather have that information public, friends only, or viewable only to you, and would you like those settings applied on an individual basis or automatically?

Q: How many individual steps do you believe it should take to upload a photo to your album?

Q: What sort of information would you expect to be displayed along with a photo? For example, date uploaded, file size, a description, etc.

Q: How much of this information would you expect to be editable?



Team Name

Q: Would you expect other people to be able to comment on all of your photos and/or albums, or would you like to allow or disallow commenting on an individual basis?

Q: How often do you think you would rearrange or delete photos from your album?

Q: Would having an app that could recognize faces and associate them with user given names appeal to you?

Q: If you were allowed to "tag" any photo in your album(s) or the albums themselves with any terms you wanted, what sort of terms would you tag them with?

Q: Would those tags be similar to the ones you would search for if trying to find another album?

Q: How often would you search for photos based on information such as location or date as opposed to information such as people or events?

Q: Would you like searches to put priority on certain pieces of information over others, such as event over location?

Q: When reading comments on websites such as Facebook or Youtube, do you prefer comments to be displayed in chronological order, or by reply tree?

Q: Would you prefer comments to be displayed under photos or in a sidebar with the photo always on screen?

Q: What task do you think you would perform most often while using this app? Least often?

Functionality Report

Visible Concepts

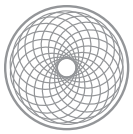
Management of photos and albums (CRUD), Photo/album privacy settings, Comment posting and viewing, Tagging, Searching, Signing in.

Data to Manipulate

Individual photo/album information, permissions, comments, and content, and User account passwords and settings.

Options

Permissions regarding viewing photos/albums, Whether or not to allow comments on photos/albums, Information displayed along with photo/album, and Auto sign in.



Team Name

Object/Action Matrix

	Create	Read	Update	Delete	Add To	Remove From
Photo	X	X	X	X	Album	Album
EXIF		X				
Tags	X	X	X	X		
Comments	X	X	(Admin only)	(Admin only)		
Privacy			X			
Album	X	X	X	X	Account	Account
Tags	X	X	X	X		
Comments	X	X	(Admin only)	(Admin only)		
Privacy			X			
User Account	X	X	X	(Admin only)		
Password	X		X			
Privacy			X			

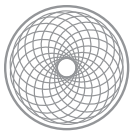
Include small explanation here and analysis?

Lexicon

Blank?

Userbility Report

Not done yet?



Team Name

Timeline