



**ISTANBUL AYDIN UNIVERSITY
FACULTY OF ENGINEERING
SOFTWARE ENGINEERING DEPARTMENT**

YUM 306 : Work Placement II

Baby Earth Project

Report

Student: İlayda Büyükakova

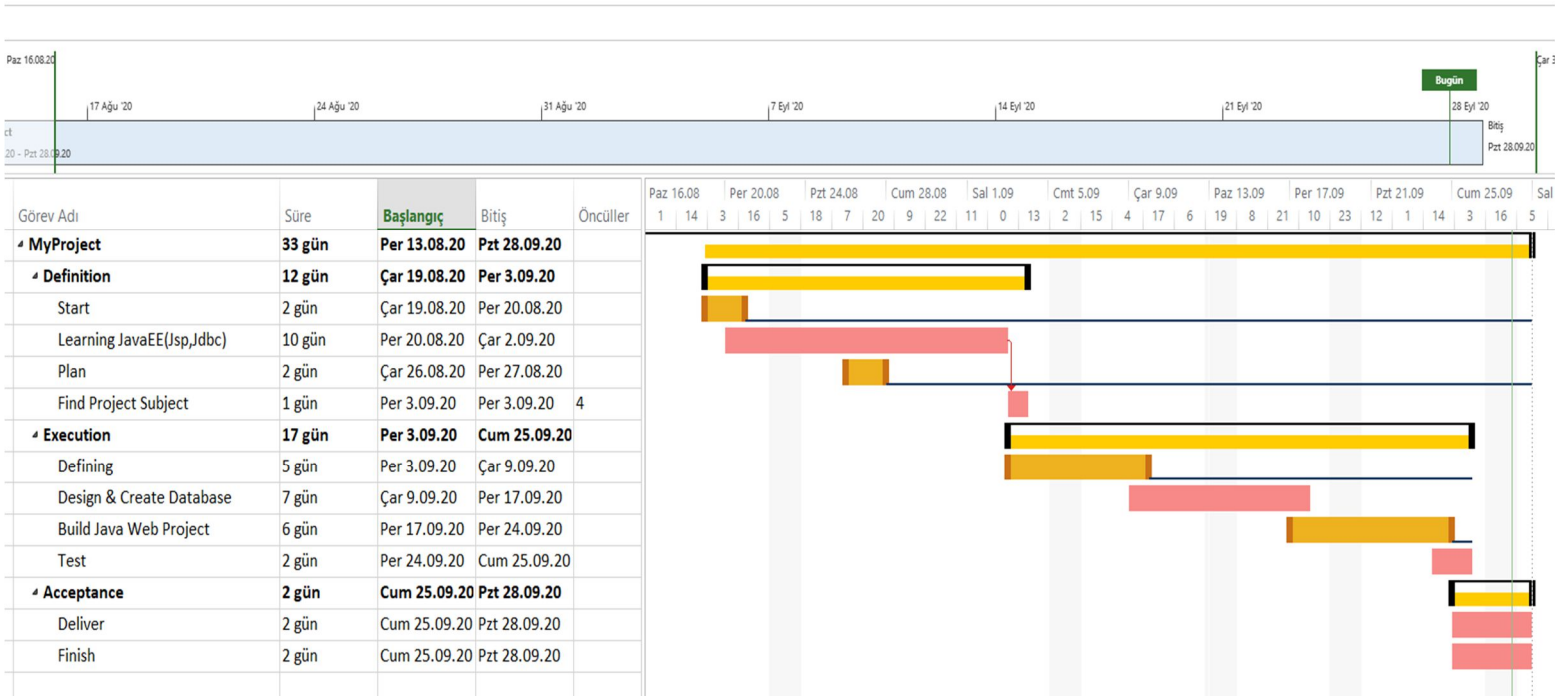
B1405.090024

1. Overview about the project

This project is an approach for better upbringing of a child. This baby earth project revolves around everything that is needed to be taken care of after a child's birth. I have built this site with detail like which food to provide to a child, baby products, and tips about taking care of a baby and etc. This site also provides suggestions of really good names for the babies and this also have a feature name parenting where there are a lot of tips for the parents responsible for the baby.

This project revolves around two modules- admin and user. The admin module deals with the administration work of the site. The functionality of the admin is that the person registered as admin mainly the admin can add new baby names for the users, update or delete any names from the sites. The registered users(user module) can view all the details about their newborn baby and the system will provide them with information about everything. The registered user gets all the information from here about baby tips, baby food, and also about parental behaviour around the newborn. This project using JSP, JAVASCRIPT, HTML/CSS(Bootstrap), AJAX, and JDBC which deals with everything needed for the welfare of a newborn child also including parental behaviour.

2 Gantt Chart



3.1 Introduction

This site is a kind of user assistance for taking care baby and parenting skills. This is an easy to get information about this subject. As a user

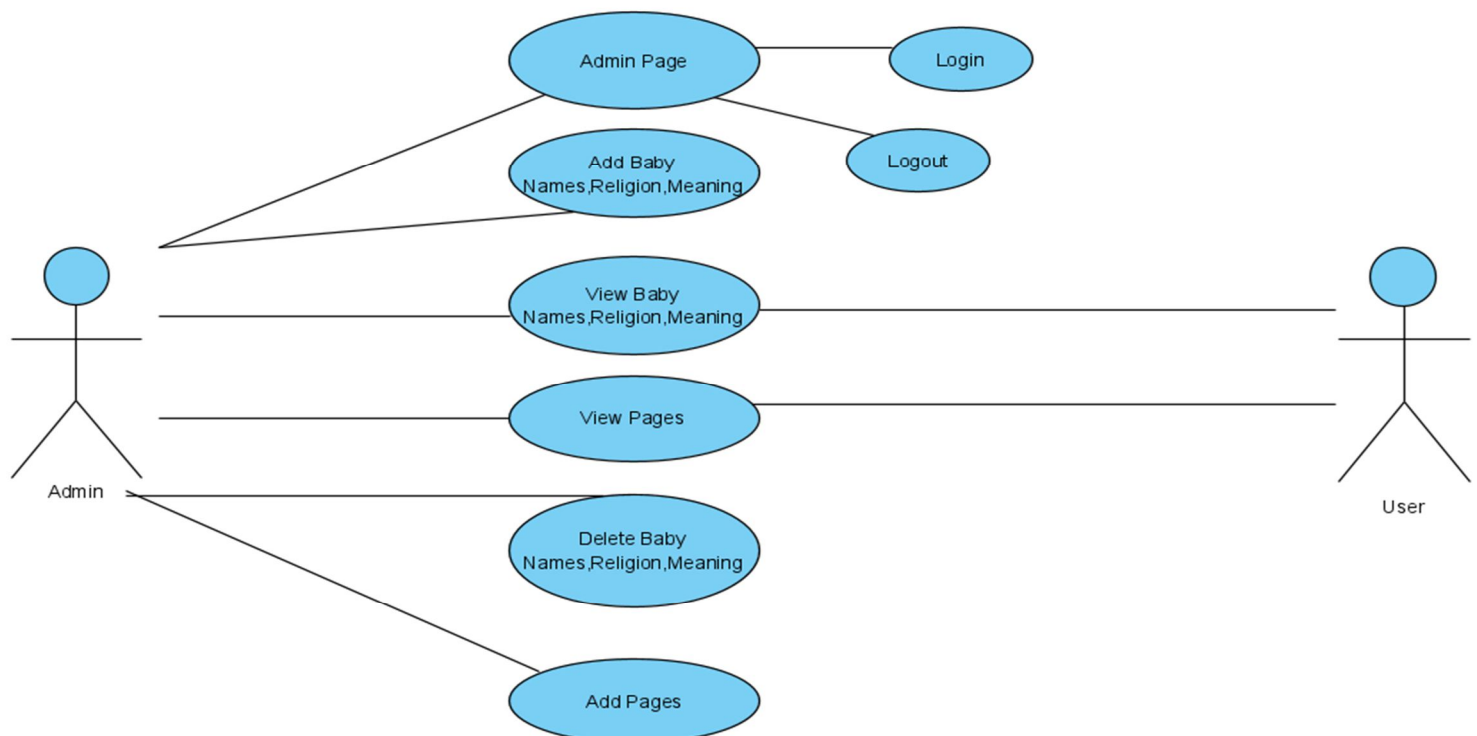
- Can view baby names
- Can view baby tips
- You can Add / Delete / Edit Baby names.
- You can Add / Delete / Edit Baby Pages.
- You can Add / Delete / Edit Incomes and outcomes.

3.2 Objectives

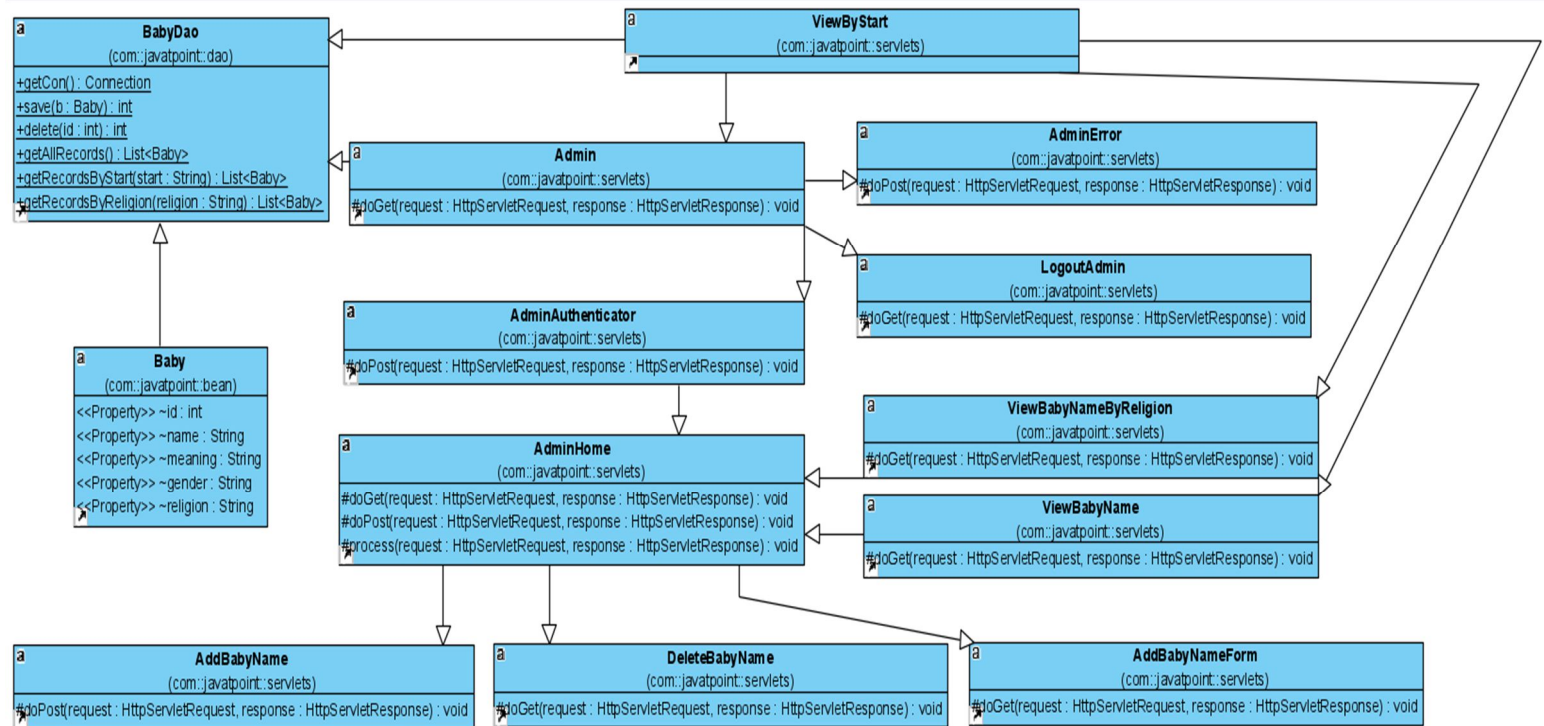
1. To give the new parents valid tips and information about how to raise their baby.
2. To provide parents with correct information with their respective baby so that they don't need to seek to others for help.
3. To provide every detail including how to behave in front of a newborn. Also to provide what food is best for the respective baby and all the products they should use to avoid any infection.
4. This site takes input from the parents about their newborn if they have any disorder or any other allergic symptoms and if so then the site will provide tips, baby food and baby products according to the respective baby.
5. It is a 24x7 hours of service providing the site with a secured database storage capacity of every individual.

i. Diagrams

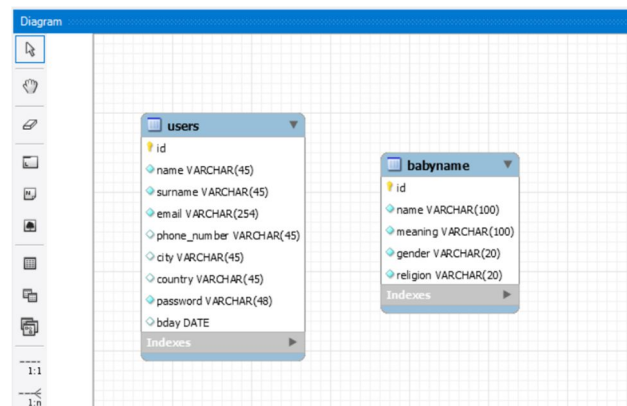
4.1. Use-case Diagram



4.2. Class Diagram



4.3. Database Diagram



ii. Analysis, Design and Development

5.1 System Of Functional Requirements

- Admin
- Users

• Admin

- Can login and logout.
- Can add baby names.
- Can view baby names.
- Can delete baby names.
- Can add new pages.

- **Users**

1. Can view baby names.
2. Can view baby tips.
3. Can view baby food.
4. Can view baby products.

5.2 Non-Functional Requirements

1. Secure access of confidential data (user's details). SSL can be used.
2. 24 X 7 availability.
3. Browser testing and support for IE, NN, Mozilla, and Firefox.
4. Reports exportable in .XLS, .PDF.
5. Create a detailed UML diagram (Component, Sequence, Class) for the system and its sub-components.

iii. Software Tools Specification

- **Tool To Be Used**

1. Use any IDE to develop the project in Eclipse (Jdk 14.0).
2. Oracle 10g for the database.
3. Server: Apache Tomcat 9.0.

- **Front End & Back End**

Front End: JSP, JDBC, Javascript, AJAX , HTML/CSS (Bootstrap)

Back End: Oracle10g.

JAVA & JAVA EE

An application software platform from Oracle based on the Java programming language. Originally developed by Sun, which Oracle acquired in 2010, Java EE services are performed in the middle tier between the user's machine and the enterprise's databases and legacy information systems. Java EE comprises a specification, reference implementation and set of testing suites. Its core component is Enterprise JavaBeans (EJBs), followed by JavaServer Pages (JSPs) and Java servlets and a variety of interfaces for linking to the information resources in the enterprise.

The Java EE interfaces include JDBC for databases, JNDI for directories, JTA for transactions, JMS for messaging, JavaMail for email systems and JavalDL for CORBA connectivity. Java Connectors are interfaces to a variety of legacy applications.

HTML

HTML (Hypertext Markup language) is the set of markup symbols or codes inserted in a file intended for display on a World Wide Web browser page.

In order to meet the growing demand for more impressive web features, HTML has been coupled with plugins like CSS, Flash, JavaScript etc.

CSS

CSS is used to define styles for your web pages, including the design, layout and variations in display for different devices and screen sizes. CSS removed the style formatting from the HTML page. CSS is independent of HTML and can be used with any XML based markup language. The separation of HTML from CSS makes it easier to maintain sites, share style sheets across pages, and tailor pages to different environment.

Bootstrap

Bootstrap is the most popular HTML, CSS and JavaScript framework for developing responsive, mobile-first web sites.

Bootstrap is completely free to download and use.

Bootstrap gives you the ability to faster and easier web development.

JavaScript

JavaScript is a cross-platform, object-oriented scripting language. It is a small and lightweight language. Inside a host environment (for example, a web browser), JavaScript can be connected to the objects of its environment to provide programmatic control over them. JavaScript contains a standard library of objects, such as Array, Date, and Math, and a core set of language elements such operators, control structures, and statements. Core JavaScript can be extended for a variety of purposes by supplementing it with additional objects.

MySQL

MySQL is a popular choice of database for use in web applications, and is a central component of the widely used XAMPP open source web application software stack (and other 'AFM' stacks). XAMPP is an acronym for "All Windows, MySQL, Perl/PHP Python". Free-software- open source projects that require a full featured database management system often use MySQL. MySQL can be built and installed manually from source code, but can be tedious so it is more commonly installed from a binary package unless special customization are required.

Features:

- Web interface.

- Support for most MySQL features.

- Import data from CVS and SQL.

- Export data to various formats: CVS, SQL, XML, PDF, ISO/IEC 263000.

- Open document Text and Spreadsheet, Word, Excel, and others.

- Administering multiple servers.

- Creating graphics of your database layout in various formats.

- Creating complex queries using Query-by-example (QBE).

- Searching globally in a database or a subset of it.

- Transforming stored data into any format using a set predefined function, like displaying BLOB-data as image or downlink.

- Live chats to monitor MySQL server activity like connections, processes, CPU/Memory usage, etc.

Chapter 6 Project Description

6.1 Home Page



6.2 View Baby Names Page

BabyEarthHomeBaby NamesTipsFoodProduct

HinduMuslimJewishChristianOther

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

View Baby Names by Hindu

Id	Name	Meaning	Gender	Religion
16	Aarna	Goddess Lakshmi, Water, Wave, Effervescing, Stream	girl	Hindu
17	Advik	Unique	boy	Hindu
18	Mahir	Expert	boy	Hindu
19	Nadin	Lord of rivers	boy	Hindu
20	Klara	Dusky beauty, dark haired	girl	Hindu

Admin Login
©Copyright BabyEarthSolution 2020.

BabyEarthHomeBaby NamesTipsFoodProduct

HinduMuslimJewishChristianOther

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

View Baby Names by Muslim

Id	Name	Meaning	Gender	Religion
12	Burhaan	Proof	boy	Muslim
13	Huda	A trending name indicating the correct way to lead a life.	girl	Muslim
14	Naayla	A name meant for the princess of Egypt.	girl	Muslim
15	Zahra	As vast and expansive as the desert itself.	girl	Muslim
31	ilayda	Sea Fairy	girl	Muslim

Admin Login
©Copyright BabyEarthSolution 2020.

A

B

C

D

E

F

G

H

I

J

K

L

M

N

O

P

Q

R

S

T

U

V

W

X

Y

Z

View Baby Names by Jewish

Id	Name	Meaning	Gender	Religion
26	Adinah	Gentle one; Delicate one	girl	Jewish
27	Adam	Earth	boy	Jewish
28	Shmuel (Samuel)	God has heard	boy	Jewish
29	Todros	Gods gift	boy	Jewish
30	Aviva	Spring	girl	Jewish

[Admin Login](#)

©Copyright BabyEarthSolution 2020.

6.3 Baby Tips Page

http://localhost:8080/BabCare/tips.html

BabyEarth

Home

Baby Names

Tips

Food

Product

Breastfeeding

It's been six weeks since our daughter, Clementine, was born. She's finally sleeping better and going longer between feedings. She's also becoming more alert when she's awake. My husband and I, on the other hand, feel like we've been hit by a truck. I'm amazed that we've muddled through. Here are tips from seasoned parents and baby experts to make your first month easier.

Hints for Nursing

Babies eat and eat and eat. Although nature has done a pretty good job of providing you and your baby with the right equipment, in the beginning it's almost guaranteed to be harder than you expected. From sore nipples to tough latch-ons, nursing can seem overwhelming.

1. Women who seek help have a higher success rate.

"Think of ways to ensure success before you even give birth," suggests Stacey Brosnan, a lactation consultant in New York City. Talk with friends who had a good nursing experience, ask baby's pediatrician for a lactation consultant's number, or attend a La Leche League (nursing support group) meeting (see laleche.org to find one).

2. Use hospital resources.

Kira Sexton, a Brooklyn, New York, mom, says, "I learned everything I could about breastfeeding before I left the hospital." Ask if there's a nursing class or a lactation consultant on staff. Push the nurse-call button each time you're ready to feed the baby, and ask a nurse to spot you and offer advice.

3. Prepare.

At home, you'll want to drop everything to feed the baby the moment she cries for you. But Heather O'Donnell, a mom in New York City, suggests taking care of yourself first. "Get a glass of water and a book or magazine to read." And, because breastfeeding can take a while, she says, "pee first!"

4. Try a warm compress

if your breasts are engorged or you have blocked ducts. A heating pad or a warm, wet washcloth works, but a flax pillow (often sold with natural beauty products) is even better. "Heat it in the microwave, and conform it to your breast," says Laura Kriska, a mom in Brooklyn, New York.

5. Heat helps the milk flow

but if your breasts are sore after nursing, try a cold pack. Amy Hooker, a San Diego mom, says "A bag of frozen peas

anyone has anything to say about the dust piling up or the unwashed dishes, smile and hand them a duster or the dish detergent!"

22. Accept help

from anyone who is nice -- or naive -- enough to offer. "If a neighbor wants to hold the baby while you shower, say yes!" says Jeanne Anzalone, a mom in Croton-on-Hudson, New York.

23. Got lots of people who want to help

but don't know how? "Don't be afraid to tell people exactly what you need," says Abby Moskowitz, a Brooklyn mom. It's one of the few times in your life when you'll be able to order everyone around!

24. But don't give other people the small jobs.

"Changing a diaper takes two minutes. You'll need others to do time-consuming work like cooking, sweeping floors, and buying diapers," says Catherine Park, a Cleveland mom.

25. Reconnect.

To keep yourself from feeling detached from the world, Jacqueline Kelly, a mom in Lewisburg, Pennsylvania, suggests: "Get outside on your own, even for five minutes."

Out and About with Baby

26. Enlist backup.

Make your first journey to a big, public place with a veteran mom. "Having my sister with me for support kept me from becoming flustered the first time I went shopping with my newborn," says Suzanne Zook, a mom in Denver.

27. If you're on your own,

"stick to places likely to welcome a baby, such as story hour at a library or bookstore," suggests Christin Gauss, a mom in Fishers, Indiana.

28. "Keep your diaper bag packed,"

says Fran Bowen, a mom in Brooklyn. There's nothing worse than finally getting the baby ready, only to find that you're not.

29. Stash a spare.

Holland Brown, a mom in Long Beach, California, always keeps a change of adult clothes in her diaper bag. "You don't want to get stuck walking around with an adorable baby but mustard-colored poop all over you."

30. Finally, embrace the chaos.

"Keep your plans simple and be prepared to abandon them at any time," says Margi Weeks, a mom in Tarrytown, New York.

If nothing else, remember that everyone makes it through, and so will you. Soon enough you'll be rewarded with your baby's first smile, and that will help make up for all the initial craziness.

Heather Swain is a mother and writer in Brooklyn, New York. Her novel is Luscious Lemon (Downtown Press).

Admin Login

©Copyright BabyCareSolution 2020.


6.4 Food Page

http://localhost:8080/BabCare/food.html


BabyEarthHomeBaby NamesTipsFoodProduct

Healthy Baby Food


One hour per week is all it takes! You can make your baby's food fresh & tasty in only one hour per week – it really is that easy to make homemade baby food!




Yum Yum Pumpkin
Pumpkin makes a great baby food that's loaded with Vitamin A & many other important nutrients. Quick Tip – try canned pumpkin in a pinch!




Yes Peas!
One cup of peas contains more protein than a tablespoon of peanut butter and also provides calcium, Vitamin A and C and Iron too.




Squishy Squashy
Winter Squash is a wonderful, nutritious first food for your baby. Delicious & very nutritious, squash is sure to be a hit with your little one.




Eggs for Your Baby
Recommendations for introducing eggs to baby are changing! A 2008 study, and many studies done after, show waiting to introduce eggs may not be necessary.




Mango Baby!
Like Papayas, Mangos are tropical fruits and their age for introduction is varied from 6 months and older with 8-10 months being the average recommended age.




Spice of Life
Use spices and herbs to liven up baby's foods. This is a wonderful way to help expand your baby's taste buds and get her used to the tastes of the family's foods.



Pureeing & Storing
Pureeing homemade baby food is very simple. Making homemade food can be done in 1 hour per week!



Avocado – A First Food
Convenient, creamy, smooth & loaded with nutrients, try Avocado as a first food for your baby.



Sweet Potatoes
Sweet Potatoes are a very healthy & totally yummy first Food option for baby.

6.5 Baby Product Page

Baby products: Must-haves for the first year



In this article

- Products you need for your baby
- Baby clothes
- Diapering
- Baby gear
- Breastfeeding and bottle-feeding
- Feeding
- Baby soothers, toys, and entertainment
- Sleeping
- Safety
- Health

Products you need for your baby

Which baby products are essential for the first year? Here's a list of the main things you'll need to [clothe](#), [move](#), and [feed your baby](#), as well as give him a safe place to sleep and explore.

If you want to go beyond the basics, check out this [list of product "extras"](#) that can make the first year easier. You'll find specific information about the supplies you need in [the first six weeks](#) and [what to put on your baby registry](#), too.

To help you focus on the must-haves for your registry, BabyCenter surveyed moms to see what they registered for most. Watch our countdown of the top 10 items. [See all pregnancy videos](#)

Avoid clothing that has dangling strings, tassels, and ribbons – these are choking hazards.

Hats and mittens: A broad-brimmed sun hat for the summer and a warm hat that covers the ears in the winter should do the trick. Mittens for babies are shaped like bags with elastic at the wrist, making them easy to get on and off little hands.

Socks or booties: You'll need lots of socks for indoors and some booties for outdoor wear.

Shoes: You may not need to buy real, hard-soled shoes during your baby's first year. Some doctors recommend waiting until your child is a strong walker because shoes can interfere with development. Until your baby's ambulating well, cover her feet with socks or booties that have nonskid bottoms.

When it comes time to buy sturdier footwear, go to a store that specializes in children's shoes. A salesperson can advise you on the most comfortable brands and what size to buy to allow for growth, and will measure your child's feet to ensure a comfortable and proper fit.

Pajamas/sleepers (5 to 7): There are three things to think about when dressing your baby for bed: your baby's comfort, his safety, and your ability to get to the inevitable middle-of-the-night dirty diaper. No matter how cute it looks, avoid sleepwear that has complicated snaps or requires lots of effort to get on or off!

Soft, breathable natural fabrics like cotton are comfy, and if they fit snugly they're a good alternative to synthetic, flame-resistant clothing (usually made of polyester). Avoid ribbons, strings, ties, and other decorative items that could get wrapped around your baby and pose a choking hazard.

Find out more about [the best sleepwear for your baby](#).

Diapering

Diapers: Whether you use cloth or disposable or something in between (some diapers use a reusable cover with a disposable lining), your baby probably will go through ten to 12 diapers a day at first, so plan accordingly. See our [guide to diapering basics](#) to decide exactly what you'll need.

Wipes: Whether you plan to buy wipes, make your own, or use a washcloth and warm water, you'll want to be prepared.

Changing pad or table: You don't have to buy an official [changing table](#), but you'll probably want to have some designated place for diaper changes. Some parents use a changing pad or just a towel on the floor or bed. (Keep your hand on your baby at all times when changing on an elevated surface!)

6.6 Admin Page

http://localhost:8080/BabCare/Admin

BabyEarth Home Baby Names Tips Food Product **Admin**

Admin Login

Name

Password

Login

6.7 Views And Delete Name From Admin Page

http://localhost:8080/BabCare/ViewBabyName

BabyEarth Home **Baby Names** Tips Food Product

Hindu Muslim Jewish Christian Other Add Baby Name Logout

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

View Baby Names

Id	Name	Meaning	Gender	Religion	Delete
12	Burhaan	Proof	boy	Muslim	Delete
13	Huda	A trending name indicating the correct way to lead a life.	girl	Muslim	Delete
14	Naayla	A name meant for the princess of Egypt.	girl	Muslim	Delete
15	Zahra	As vast and expansive as the desert itself.	girl	Muslim	Delete
16	Aarna	Goddess Lakshmi, Water, Wave, Effervescing, Stream	girl	Hindu	Delete
17	Advik	Unique	boy	Hindu	Delete
18	Mahir	Expert	boy	Hindu	Delete
19	Nadin	Lord of rivers	boy	Hindu	Delete
20	Klara	Dusky beauty, dark haired	girl	Hindu	Delete
21	Nathan	A gift from God	boy	Christian	Delete
22	Zacharias	Favoured by God	boy	Christian	Delete
23	Adriel	Hebrew for ?flock of God?	girl	Christian	Delete
24	Elisha	God is Salvation	girl	Christian	Delete
25	Merry	It refers to a person who has a joyous or cheerful heart.	girl	Christian	Delete
26	Adinah	Gentle one; Delicate one	girl	Jewish	Delete

6.8 Add Baby Names From Admin Page

http://localhost:8080/BabCare/AddBabyNameForm

BabyEarth Home **Baby Names** Tips Food Fashion Product News

Add Baby Name

Name:

Meaning:

Gender: ☐ Male ☒ Female

Religion:

6.9 Added Baby Name

BabyEarth Home **Baby Names** Tips Food Product

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

view Baby Names by Muslim

Id	Name	Meaning	Gender	Religion
12	Burhaan	Proof	boy	Muslim
13	Huda	A trending name indicating the correct way to lead a life.	girl	Muslim
14	Naayla	A name meant for the princess of Egypt.	girl	Muslim
15	Zahra	As vast and expansive as the desert itself.	girl	Muslim
31	Ilayda	Sea Fairy	girl	Muslim
32	deniz	sea	girl	Muslim

7. Tools & Searching Documents

<https://www.oracle.com/tr/java/technologies/javase-downloads.html>

<https://www.eclipse.org/downloads/>

<http://www.java2s.com/Code/Jar/j/Downloadjavaservlet30jar.htm>

<https://www.edureka.co/blog/servlet-and-jsp-tutorial/>

<https://www.javatpoint.com/servlet-tutorial>

<http://tomcat.apache.org/>

<https://docs.oracle.com/cd/E19226-01/820-7627/giqii/index.html>

<https://www.tutorialspoint.com/jdbc/index.htm>

<https://www.javaquides.net/2019/01/jsp-jdbc-mysql-example.html>

<https://www.oracle.com/tr/database/technologies/appdev/jdbc.html>

<https://docs.microsoft.com/en-us/sql/connect/jdbc/download-microsoft-jdbc-driver-for-sql-server?view=sql-server-ver15>

8. Youtube URL Presentation : <https://www.youtube.com/watch?v=iVJBWELZjdl&feature=youtu.be>