

## Why a Browser for Kids?

#### The Issues

- Kids are considerably involved with internet these days
- They perform all activities on internet, like surfing search, download data, email, chat, etc.
- In existing scenario, the involvement of browser is limited to surf and download only
- Other activities like email and chat are operated with different applications
- Available applications are designed for older kids or adults
- Complex navigation for simple tasks
- No motivation for sharing experiences.

"There are no dedicated browsers for kids"





## Kids and Learning

- Activities they perform
- From observation- they pick up things very fast
- Self interest and Self motivation
- Learn from elderly, friends and teacher by sharing experiences, natural interactions
- They learn through play and exploration
- All the activities that they perform with computer are solitary
- They like to share the knowledge of internet with each other
- "kids rarely learn in ISOLATION"





## Kids with internet

- Playing games
- Downloading screensavers, songs, movies, changing wallpapers,
- E-mail, chatting, browsing, searching on net
- Search for assignments \*
- Downloading stuff like Wallpapers, games, songs \*
- Printing pictures





## Kids with internet

- Making new (pen) friends
- To know what's his/her friend doing at the moment
- Exchange pictures/collectibles
- Securing their personal things
- Solving challenges along with simple browsing (scoring from puzzle, educational navigation, getting rewards)





Their Capabilities

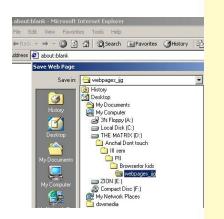
- Easy with mouse than keyboard
- Prefer single click to double click or scroll
- Good at learning things of their likings
- Most of them are well aware of search on net

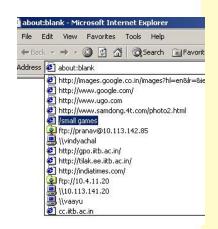




## Problems they face

- Find difficult to remember long paths in navigation
- No helping aid for navigation
- A lot of unwanted pages open as they browse
- Slow speed (net)
- Most of them find difficult to save at a particular location and retrieve it
- No simple procedure for saving favorite things





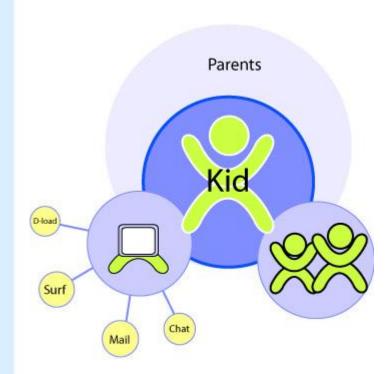




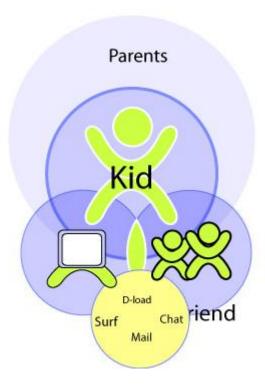
# Existing Scenario and Proposed Scenario







Existing



Proposed





## Parental aspect

- To control and optimize the internet surfing for safe environment of learning and entertainment
- To keep track of their kids activities without interfering
- To motivate them for learning
- To guide them for choosing the right thing





## **Users**

- Kids of age 8-12 have been chosen because
  - This is the time when start exploring the world around them
  - They are pretty enthusiastic about learning new things
  - They can manipulate data for their better understanding

#### Characteristic

- interested in short term activities
  - small games, stories, cartoons, music.
- attracted towards bright colours, soft and techno things
- like to make friends and exchange their collections





## **Problem Brief**

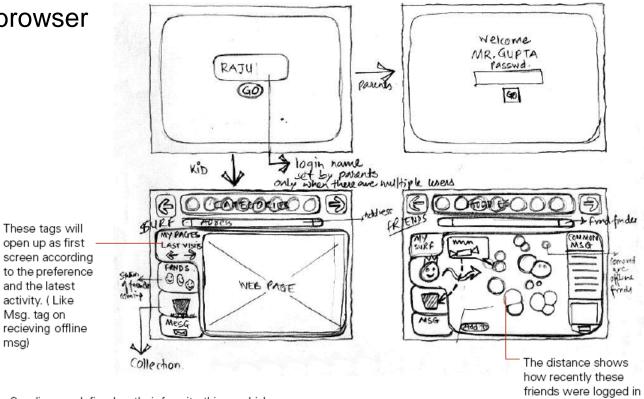
- Focus needed-
  - Integration of different activities they do with internet
    - Surf, search, download, view, e mail, chat
  - Sharing
    - Their downloads, collections, experiences with friends
  - Parental control
    - Regulating kids activities from remote application without interfering with kids directly
    - Can also be a browser for parents
  - Creativity
    - Opportunity to share some creative activity with friends online
    - Browser itself encourage for creating and manage things





## Design Alternatives 1

#### Grid Based browser



Goodies are defined as their favorite things which they download and like to share.

Msg. tag on

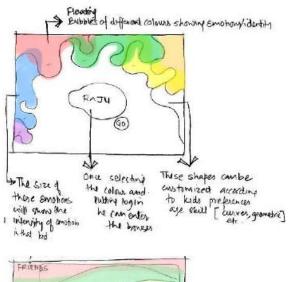
msg)

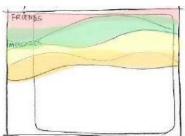


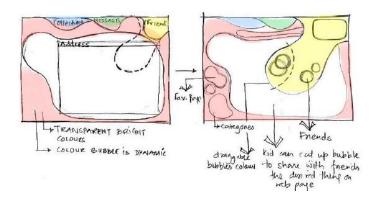


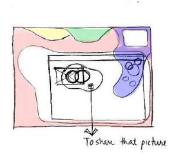
## Design Alternatives 2

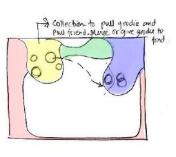
### Colours Based browser











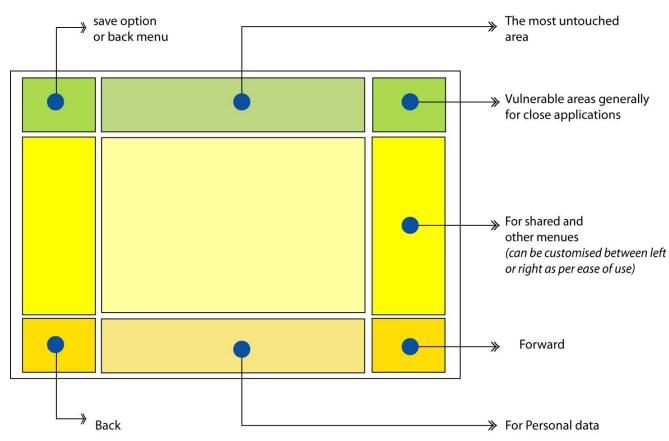


## Final concept





## **Space Organization**



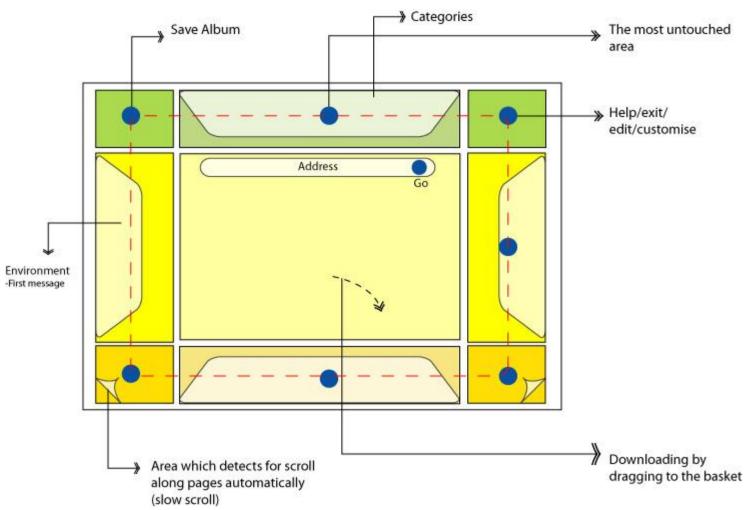
#### **Space Organisation**

Adding up friends can be done with the help of sharing the browser code or simply by login name



Browser for kids

## **Space Organization**







## Browser for Kids











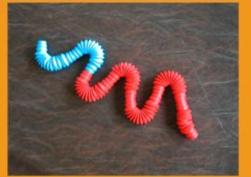


Images

Flash

Ssavers





**Plastic Snake** 

Other pages •••





GO!





NEW

**ALBUMS** 

CATEGORIES

Open

+ Add

#### MY FRIENDS

ONLINE

FRIENDS LIST

MY SHARING

#### MY GOODIES

MY ALBUMS

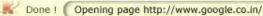
**NEW ALBUM** 

MY GOODIES



MY MESSAGES

**BOOK MARKS / REMINDERS** 





























Bikes

WPaper

Animals

Games

Stories



































GO!



#### Go to Index page



#### Colors



My bunny



**Cute Little parrot** 



**Plastic Snake** 

Other pages •••



NEW

**ALBUMS** 

CATEGORIES

Open

+ Add

#### MY FRIENDS

ONLINE

FRIENDS LIST

MY SHARING

#### MY GOODIES

MY ALBUMS

**NEW ALBUM** 

MY GOODIES



MY MESSAGES



















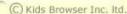




















































#### Go to Index page



#### Colors



My bunny



**Cute Little parrot** 



**Plastic Snake** 

Other pages •••



NEW

**ALBUMS** 

CATEGORIES

Open

+ Add

#### MY FRIENDS

ONLINE

FRIENDS LIST

MY SHARING

#### MY GOODIES

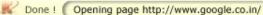
MY ALBUMS

**NEW ALBUM** 

MY GOODIES



MY MESSAGES















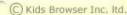






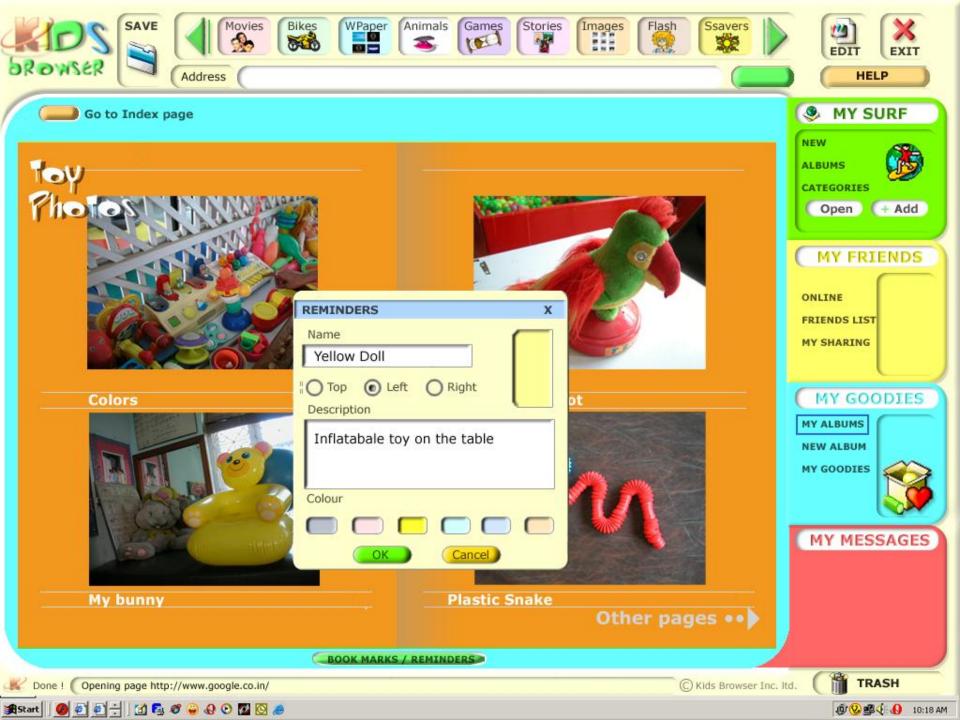
































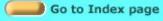














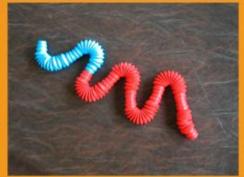
#### Colors



My bunny



**Cute Little parrot** 



**Plastic Snake** 

Other pages •••



NEW

**ALBUMS** 

CATEGORIES

Open

+ Add

#### MY FRIENDS

ONLINE

FRIENDS LIST

MY SHARING

#### MY GOODIES

MY ALBUMS

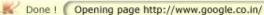
**NEW ALBUM** 

MY GOODIES



MY MESSAGES

BOOK MARKS / REMINDERS



Yellow Doll

















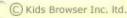




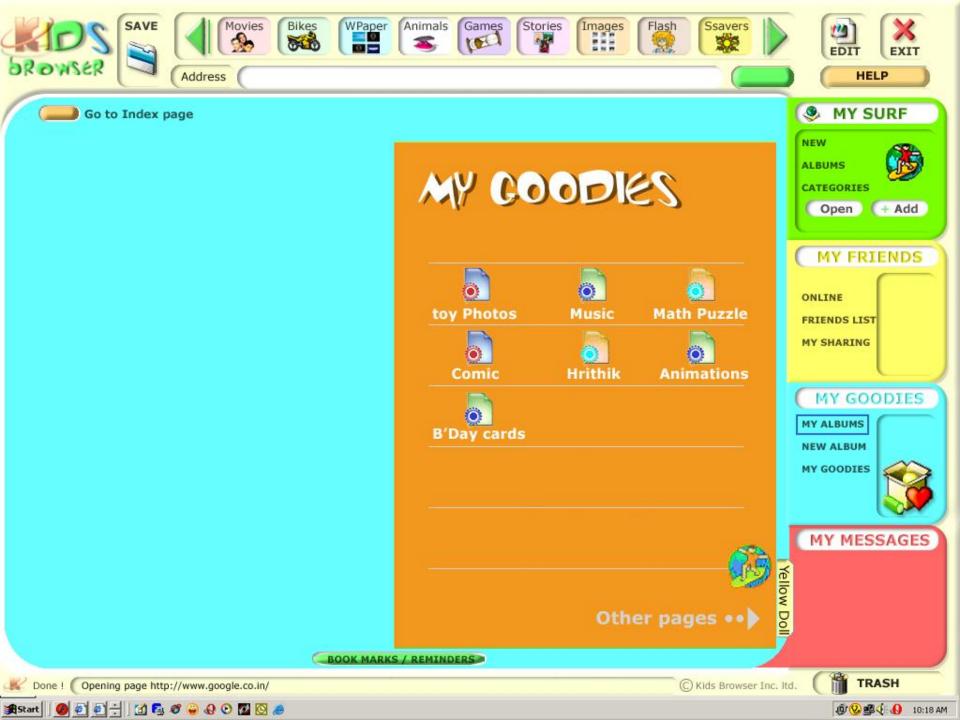


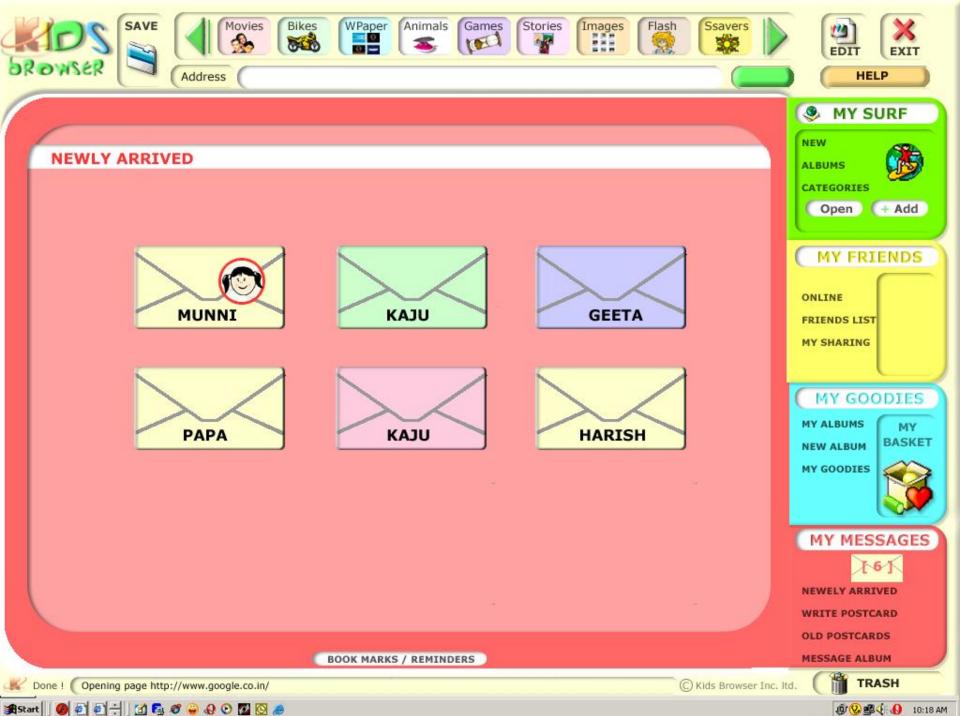




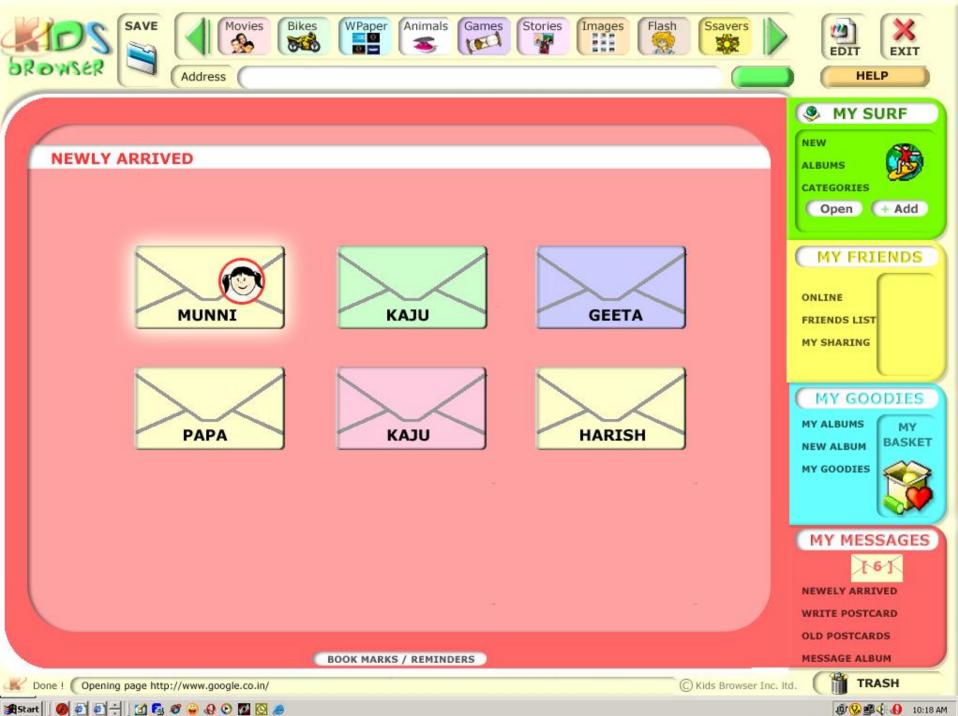




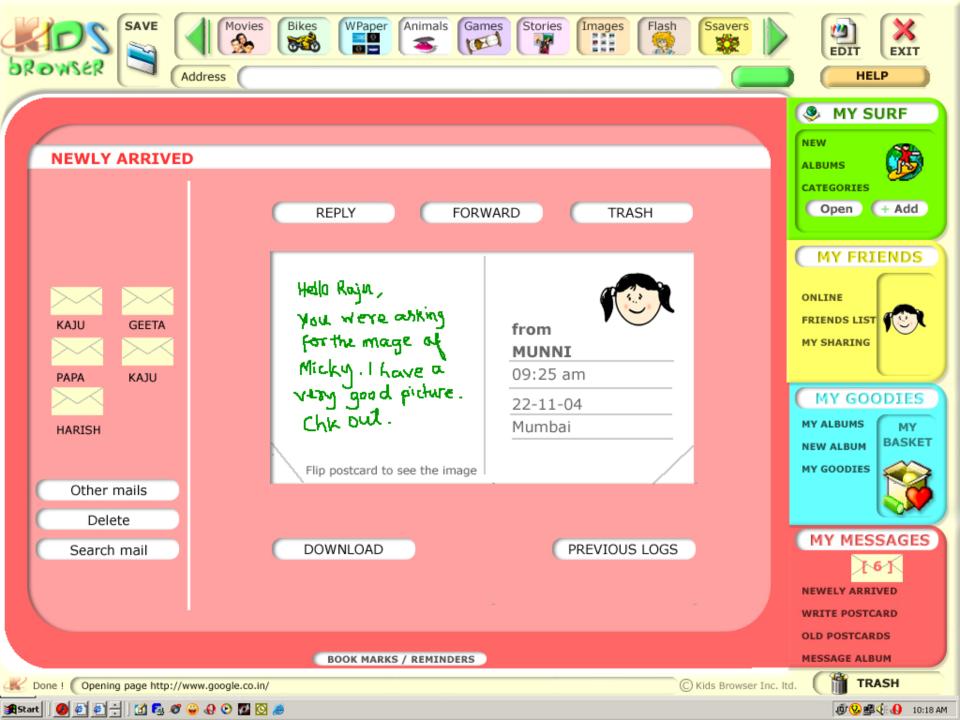




Ø 2 ■ 10:18 AM



Ø ♥ ■ € 10:18 AM



































#### **NEWLY ARRIVED**





HARISH

Other mails

Delete

Search mail

REPLY **FORWARD** TRASH



**DOWNLOAD** 

PREVIOUS LOGS

#### MY SURF NEW **ALBUMS** CATEGORIES + Add Open

#### MY FRIENDS

ONLINE FRIENDS LIST MY SHARING



MY ALBUMS **NEW ALBUM** 

MY GOODIES



MY

BASKET

#### MY MESSAGES

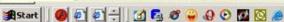
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**NEWELY ARRIVED** 

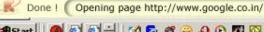
WRITE POSTCARD

**OLD POSTCARDS** 

MESSAGE ALBUM















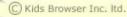








































NEW

**ALBUMS** CATEGORIES



Address





MY SURF

#### **NEWLY ARRIVED**



**FORWARD** 

TRASH



ONLINE

FRIENDS LIST MY SHARING





**GEETA** 



KAJU

Other mails

Delete

Search mail



**DOWNLOAD** 

PREVIOUS LOGS



MY ALBUMS

**NEW ALBUM** MY GOODIES



MY

BASKET

#### MY MESSAGES

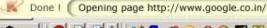
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**NEWELY ARRIVED** 

WRITE POSTCARD

**OLD POSTCARDS** 

MESSAGE ALBUM































































NEW

**ALBUMS** 

CATEGORIES

Open





+ Add

Address





MY SURF

#### **NEWLY ARRIVED**

REPLY TO

MUNNI

Other Friends



**SUBJECT** 

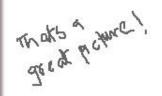
















to

MUNNI

08:15 pm

23-11-04

Mumbai

Flip postcard to see the image

CANCEL

SEND

#### MY IMAGES















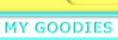




#### MY FRIENDS

ONLINE FRIENDS LIST

MY SHARING



MY ALBUMS

**NEW ALBUM** MY GOODIES



MY

#### MY MESSAGES

**NEWELY ARRIVED** 

WRITE POSTCARD

**OLD POSTCARDS** 

MESSAGE ALBUM































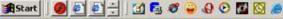




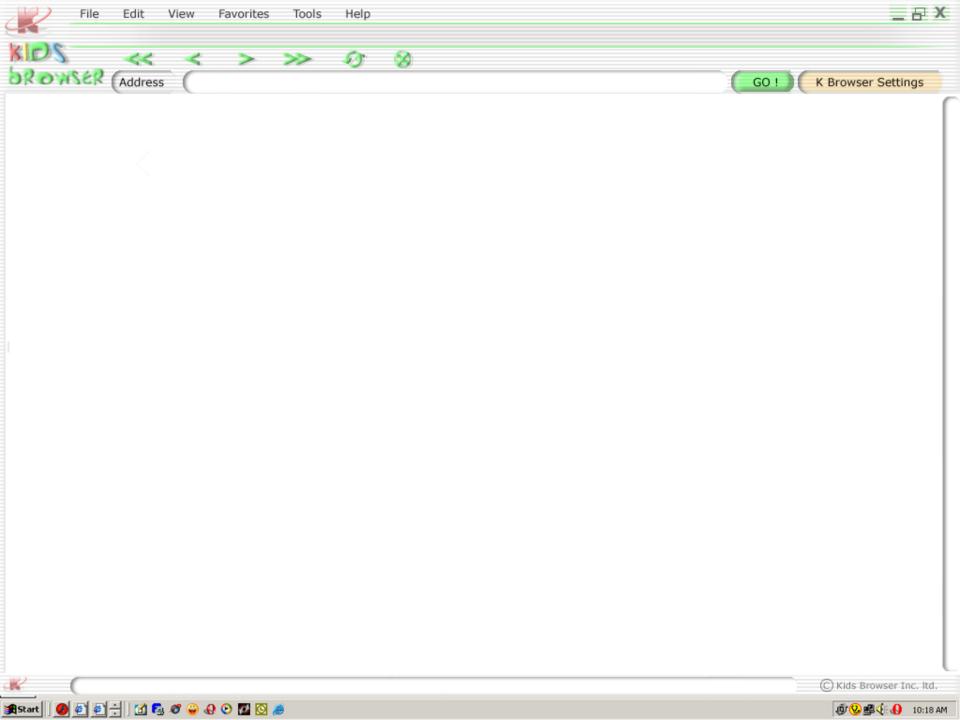


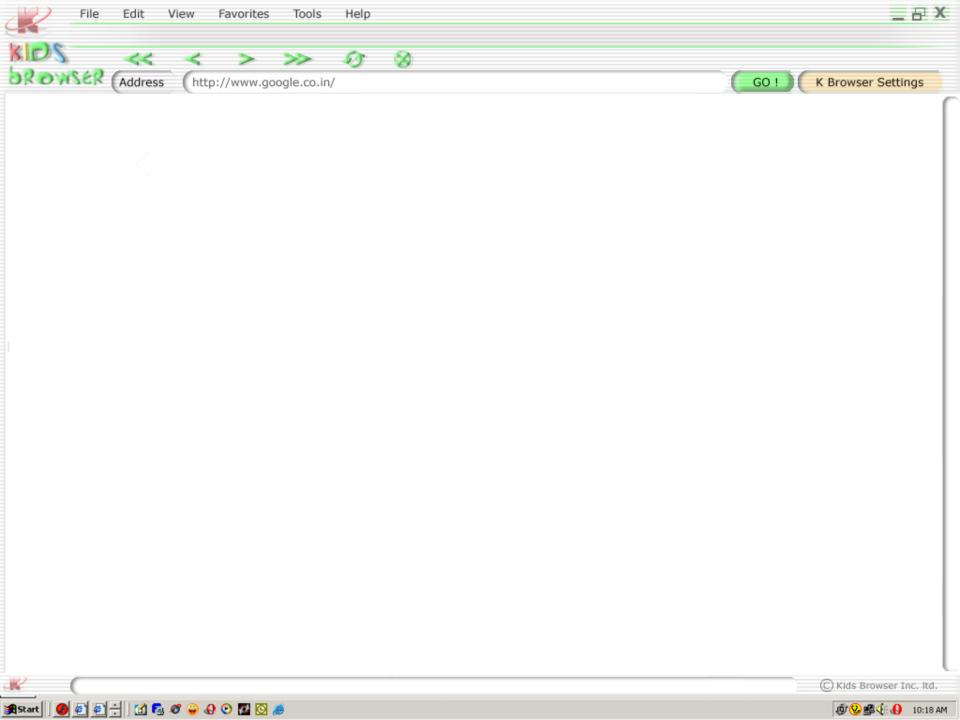


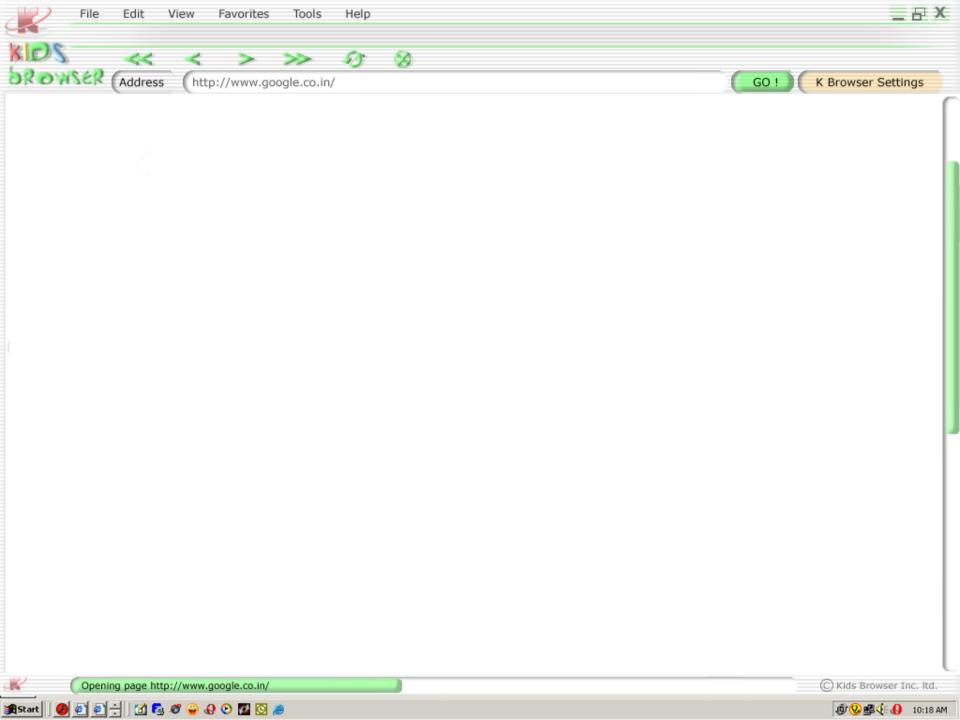


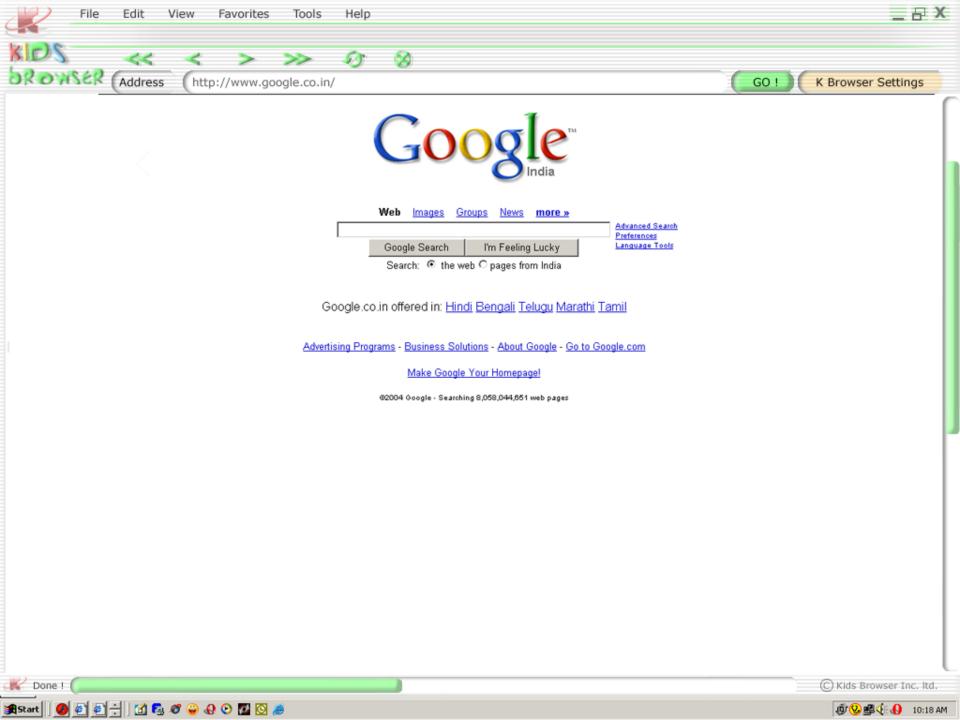


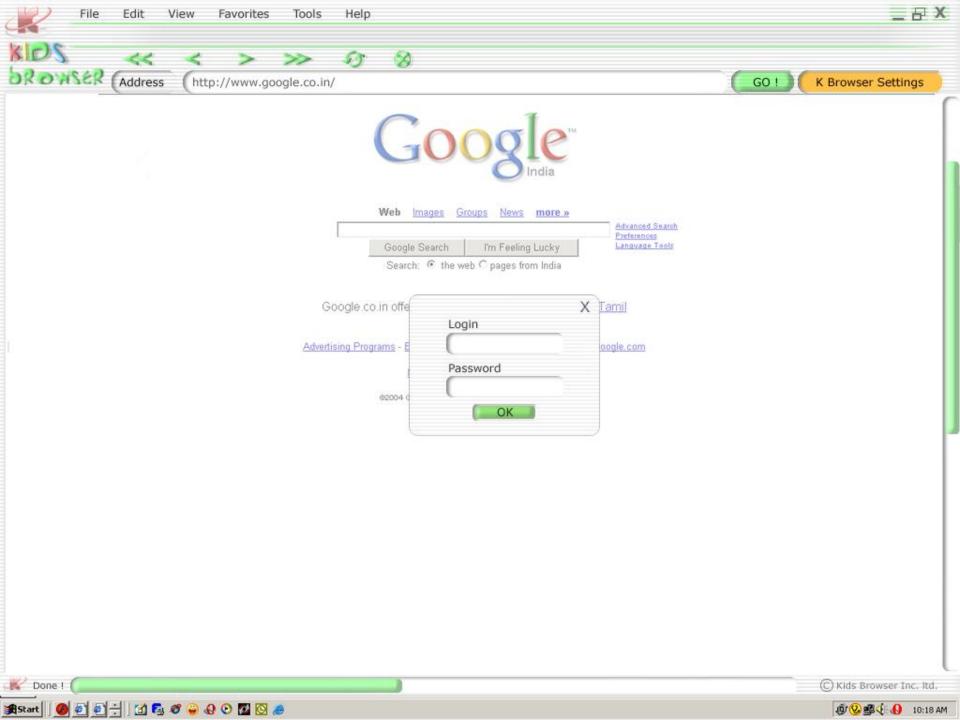
## Parental Control

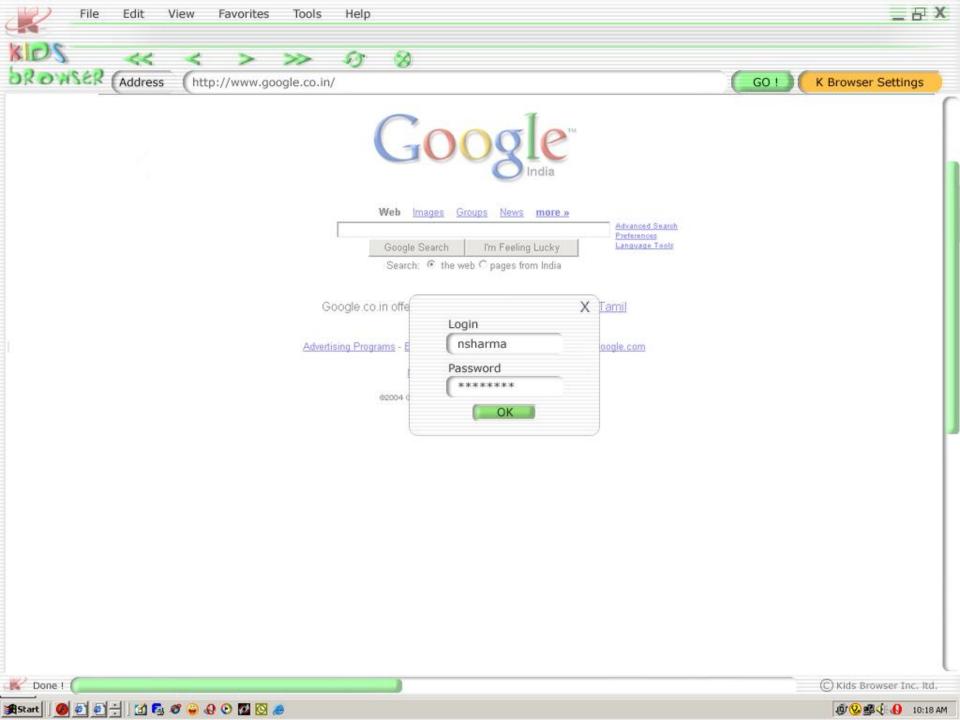


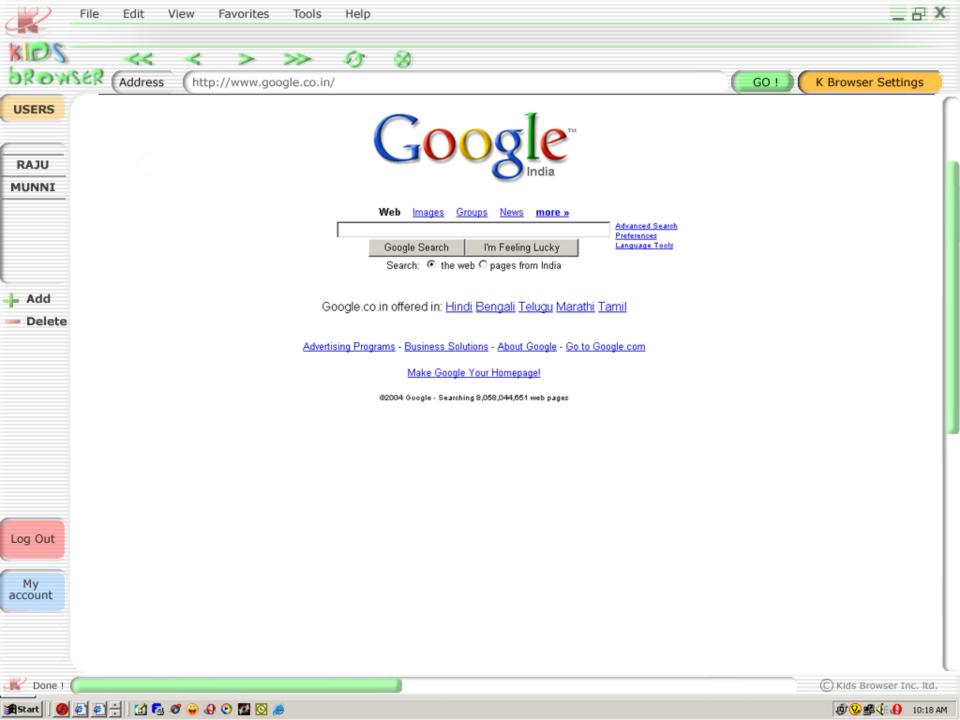


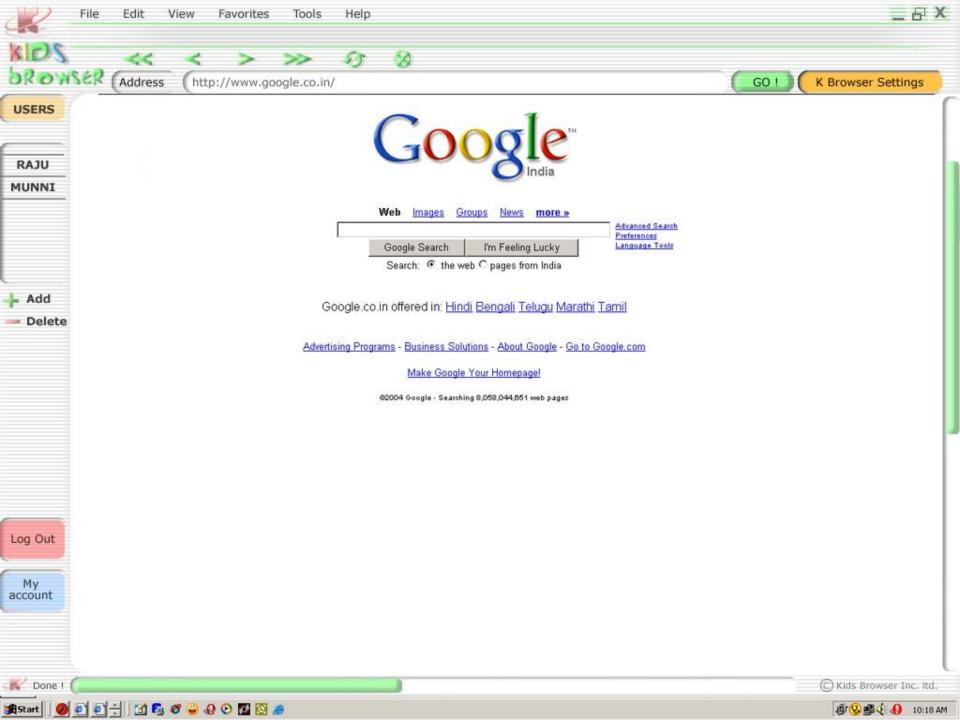


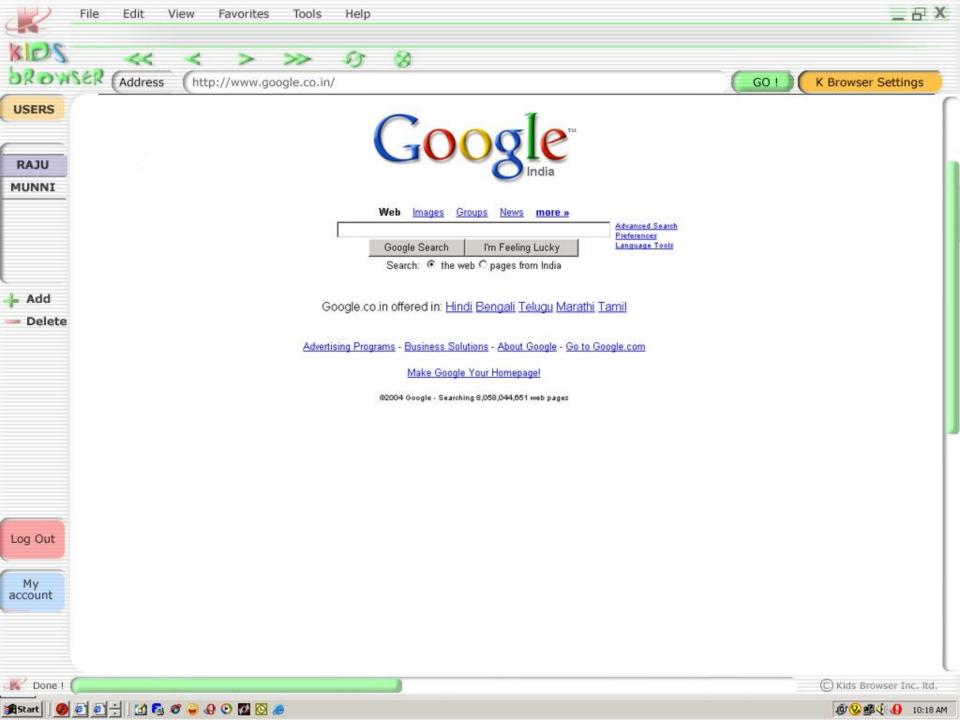


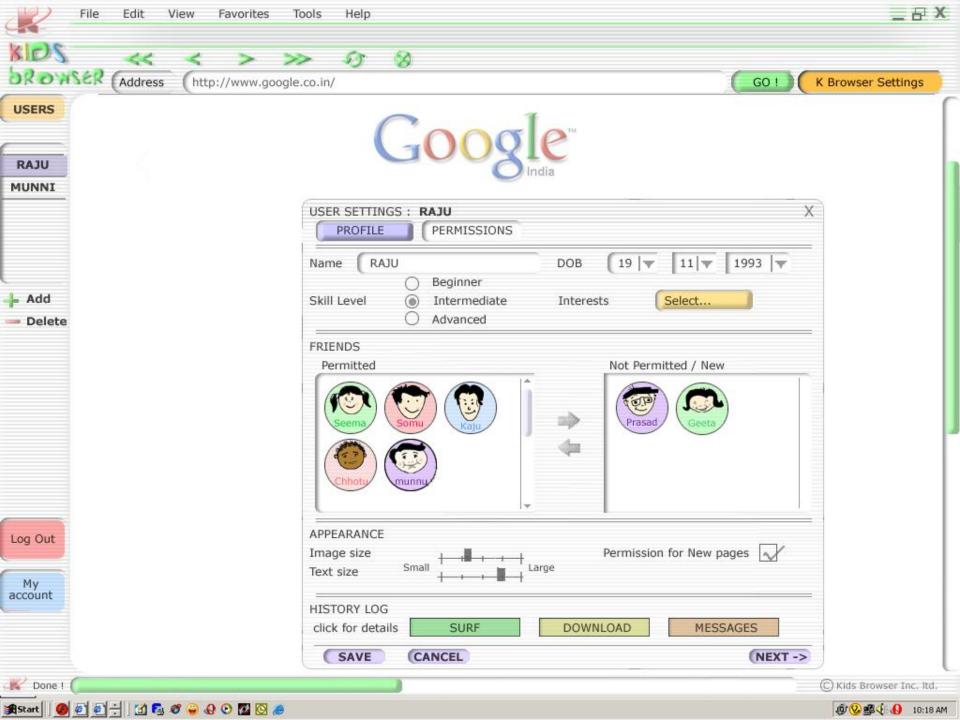


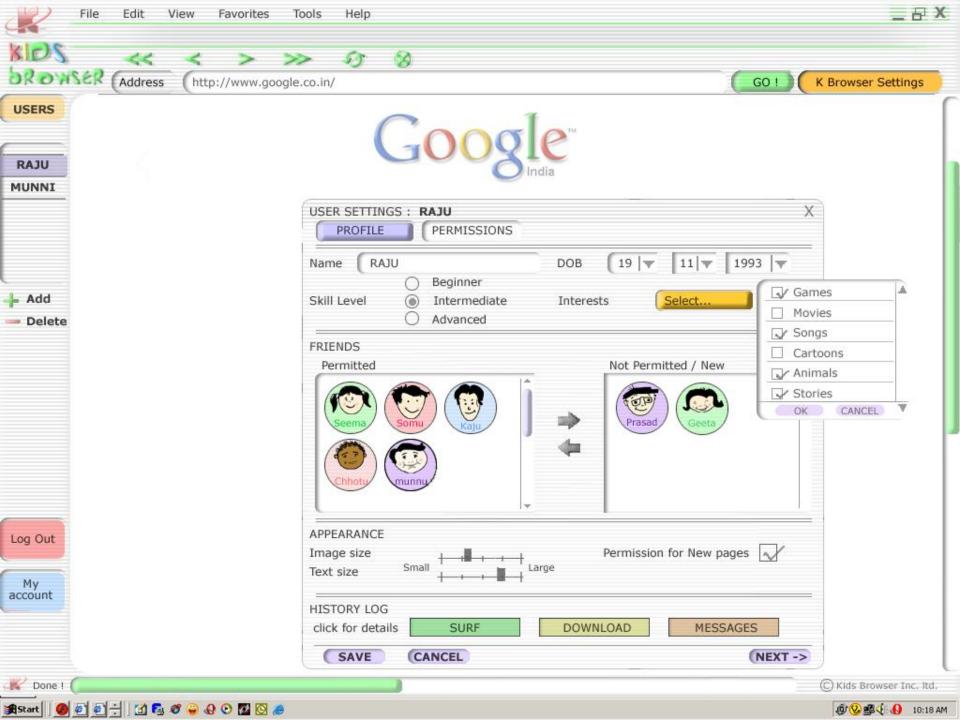


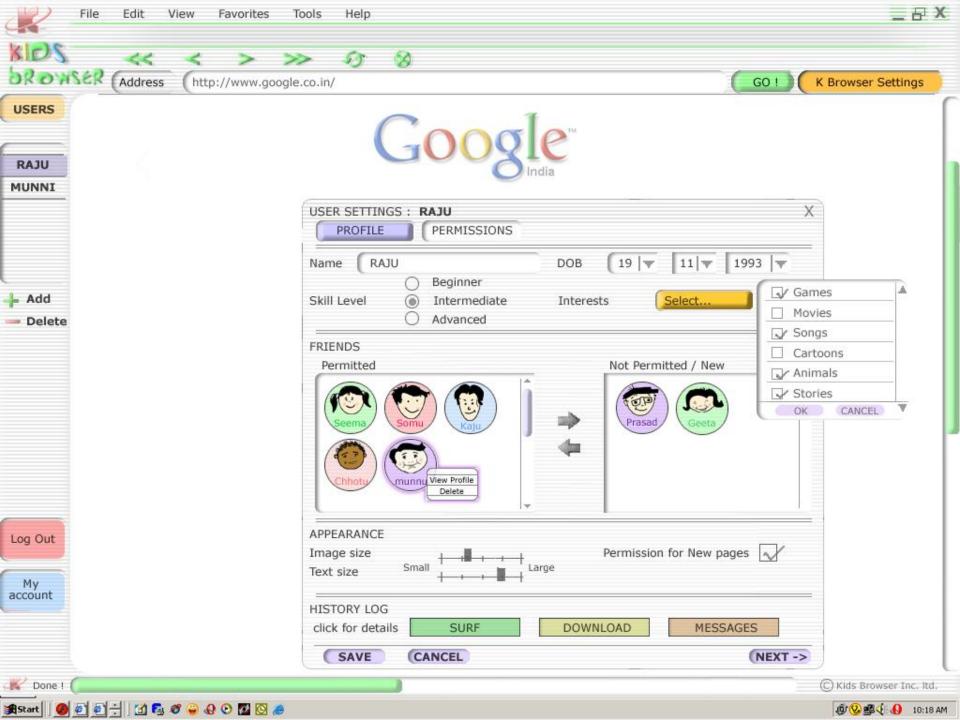


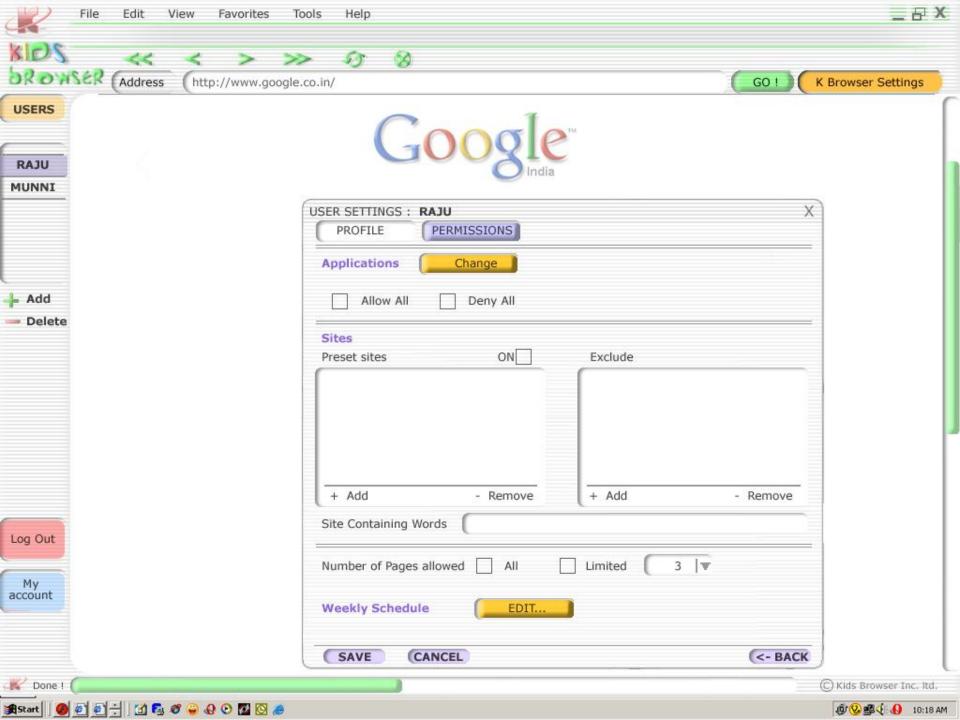


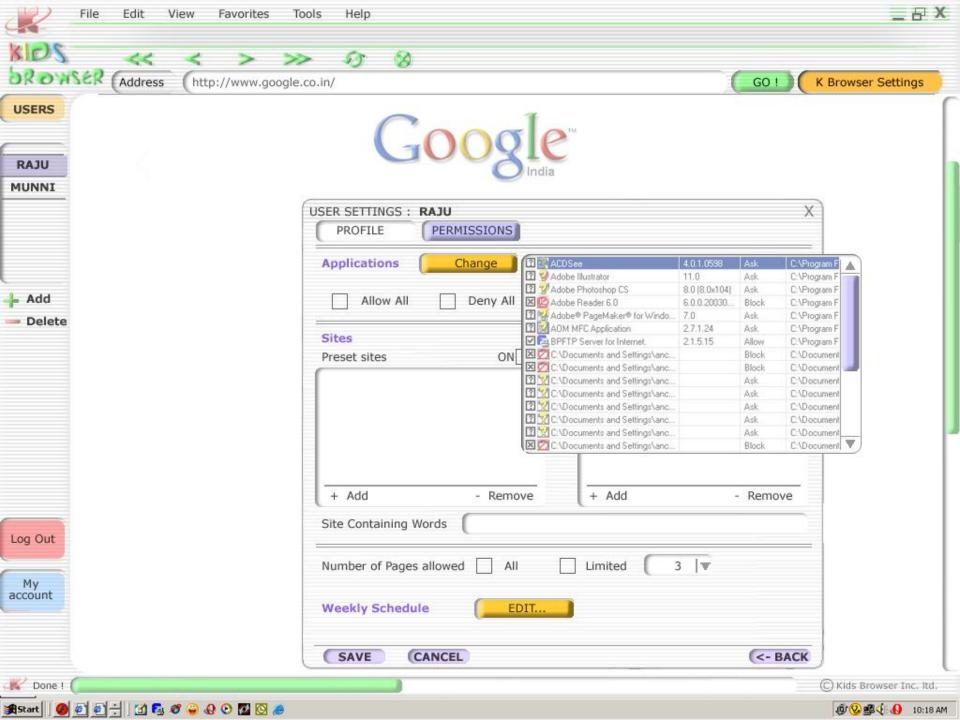


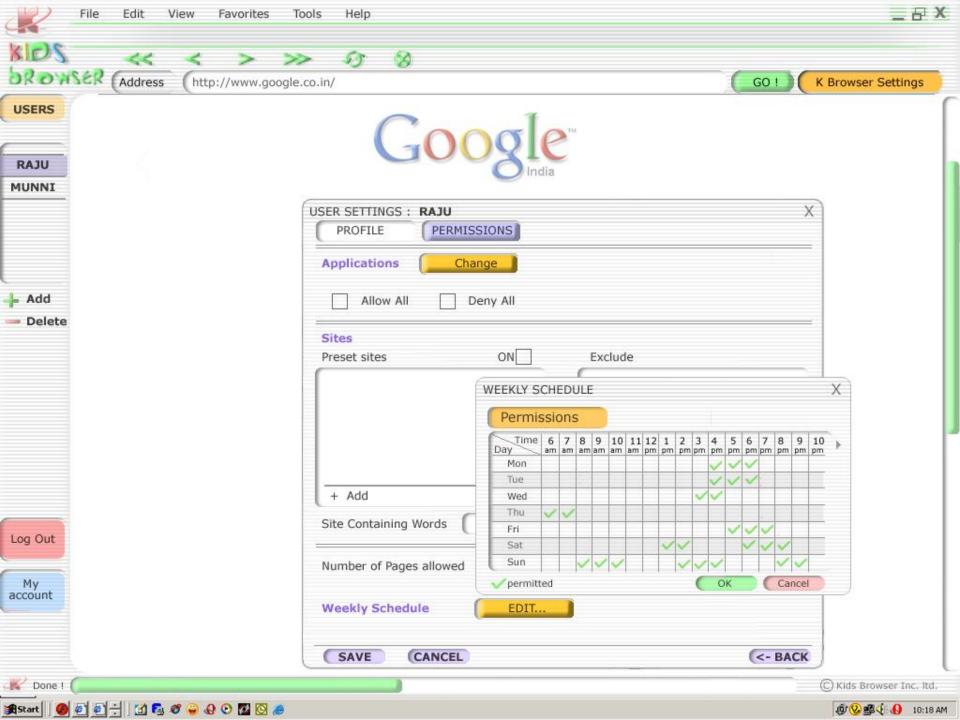












# Final concept

#### Goals Achieved

- Integrating different activities
  - Surf, search, download, view, e mail, chat
- Sharing made easy
- Parental control made possible
- Increased scope for Creativity
- Education with entertainment





### Features of a kid browser

- Based on book, album or diary concept, not like conventional browsers
- Easy navigation for browsing history or previous pages
  - Quick access → History cache
- They can save their downloads, messages, surfing sessions in form of albums
- Albums can also be sent as message online





### Features of a kid browser

- While reading one page other page can be uploaded in the background
- Kids can customize albums by creating their own book cover, background, etc.
- Images and other things are indexed so kids can select and view easily.
- Facility for click as well as drag & drop for ease of use





## Acknowledgement

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