

MyClassboard

Android application

<https://drive.google.com/file/d/16viGDLQOE2unl3r0F1UyxG3JtAO-J681/view?usp=sharing>

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Age 8 years

Class: Std V - H

Version 2

Date:

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Application description

MyClassboard Android application is created based on the requirements below:

Requirement 1: Get all the schedule in one calendar view

1. Unit Tests per month
2. Activities per month
3. Quarterly Assessments
4. Holidays

Advantages

1. Built with integration with Google Calendar
2. Class teacher needs to update Google Calendar only.
3. Reduce chances of missing schedule
4. One place of reference of schedule
5. Can be updated in just few mins
6. Available to all parents on the move at one place to refer for schedule

Current Difficulties

1. Need to refer to School Dairy multiple times and find pages where we have written the schedule.
2. My Class board provides them on multiple places and in different file formats.

Requirement 2: Get all the Assignment tasks for all subjects

1. Homework for each lesson
2. Prepare a chapter at home
3. Write question and answers, fill in the blanks etc. for a chapter
4. Activity assignments details
5. Unit test syllabus

Advantages

1. Class teacher needs to update Google Spreadsheet.
2. Google Spreadsheet gets published immediately.
3. Update layout of the spreadsheet without impacting the Application layout.

Requirement 3: Get all Announcements

1. Additional activity courses to enrol
2. Holiday notice
3. Competition announcements

MyClassboard Android application

4. Major Event announcements
5. Extra-curricular activity announcements
6. Fee payment notice

Advantages

1. School Admin needs to update Google Spreadsheet.
2. Google Spreadsheet gets published immediately.
3. Application gets instant update.
4. Update layout of the spreadsheet without impacting the Application layout.

Requirement 4: Get all documents uploaded in separate folders

1. Question sets
2. Monthly activity details
3. Semester Exam syllabus
4. Unit test schedule and syllabus
5. Project details

Advantage

1. Class teacher needs to upload to Google Drive.
2. Document gets published immediately.
3. Application gets instant update.
4. No impact to the Application layout.

Requirement 5: Publish Events with pictures

1. Tournament Achievements
2. Workshops
3. Celebrations

Advantage

1. Class teacher needs to update Google Webpage.
2. Google webpage integrates with Google photos, Drive, spreadsheet, Docs etc.
3. Page gets published immediately.
4. Application gets instant update.
5. No impact to the Application layout on changing the webpage layout.

Requirement 6: Training Videos for reference

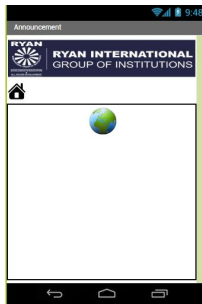
1. Videos that should help students to understand topics

Design

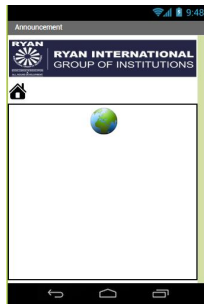
1. MIT App Inventor as the Android development environment
2. MIT AI App companion used as Application emulator to test
3. The application integrates with Google applications under read-only public view
 - a. Google Calendar used to record and publish schedule
 - b. Google spreadsheet used to record and publish Assignments
 - c. Google Spreadsheet used to record and publish Announcements
 - d. Google Drive used to upload and publish documents
 - e. Google Website and Webpage used to publish events
 - f. Google Website and webpage used to publish tutorial videos
4. Embed HTML code from Google applications to be used to display on the Application web viewer.
5. GitHub Repository and Webpages used to integrate embedded webpages into Android App
6. No external applications required by user eg. MS word, Pdf reader etc.
7. Coding is at 'building block' level and not syntax type statements.
8. No specific programming language is used.

User Interface and Navigation Design

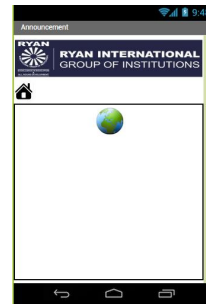
Announcement Screen



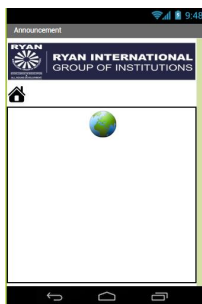
Assignment Screen



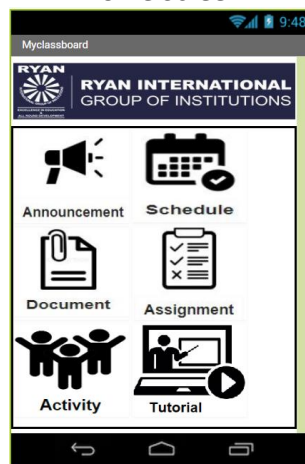
Documents screen



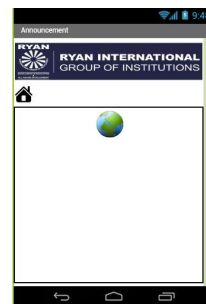
Activity Screen



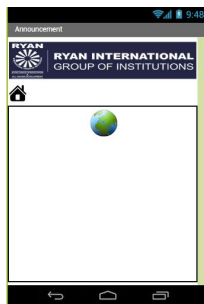
Home Screen



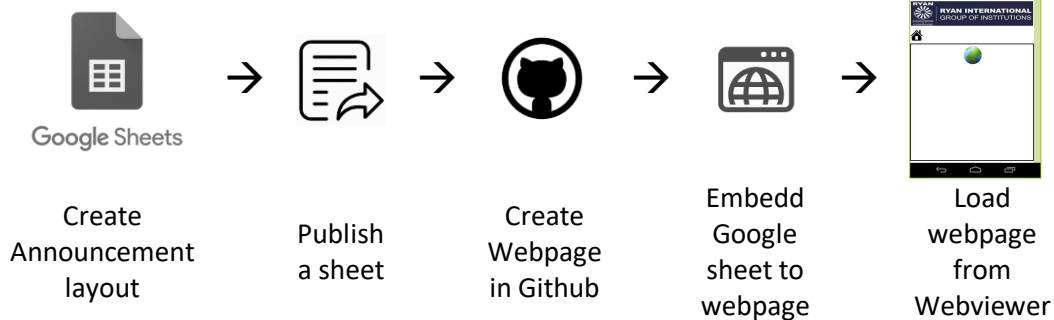
Schedule Screen



Tutorial Screen



Google spreadsheet Integration design



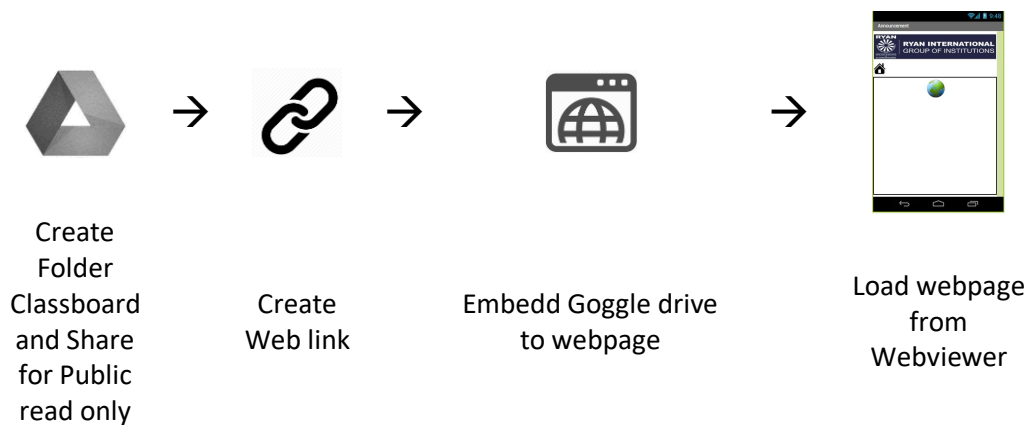
GitHub Integration



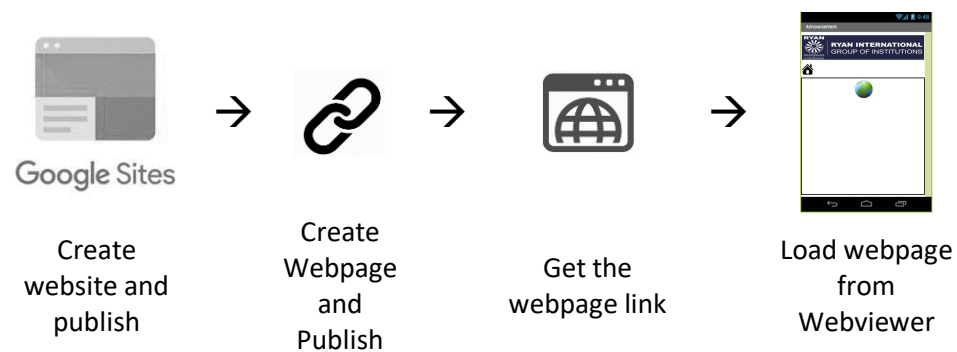
GitHub is a web-based hosting service used for computer code. It offers version control and source code management functionality of Git as well as web hosting service.



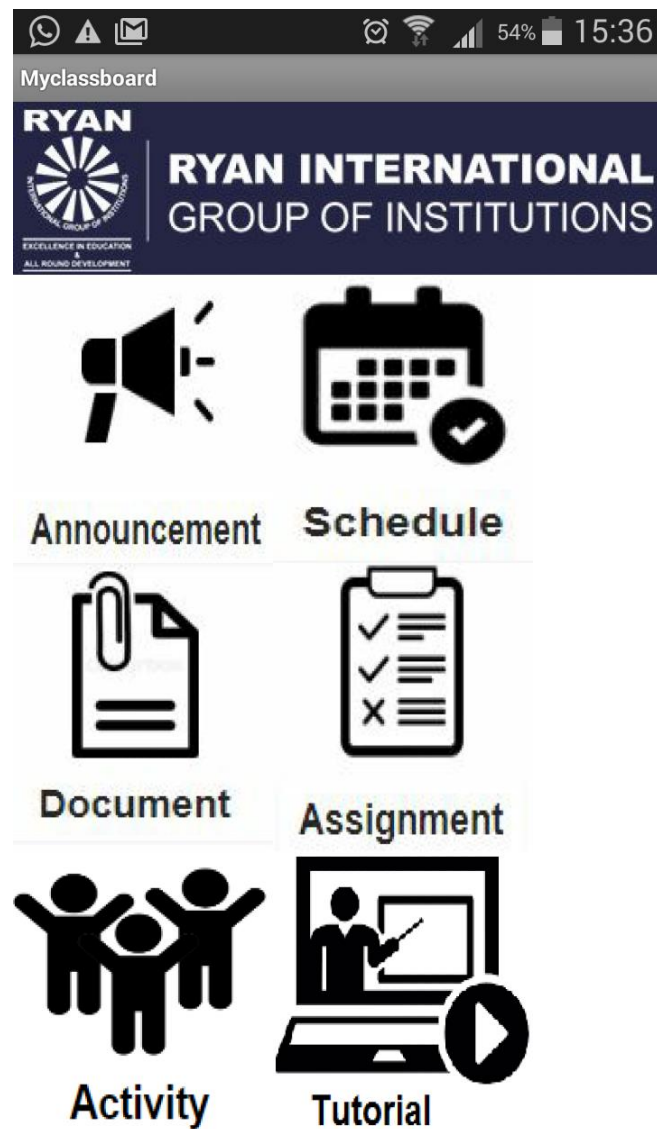
Google drive integration design



Google website integration design

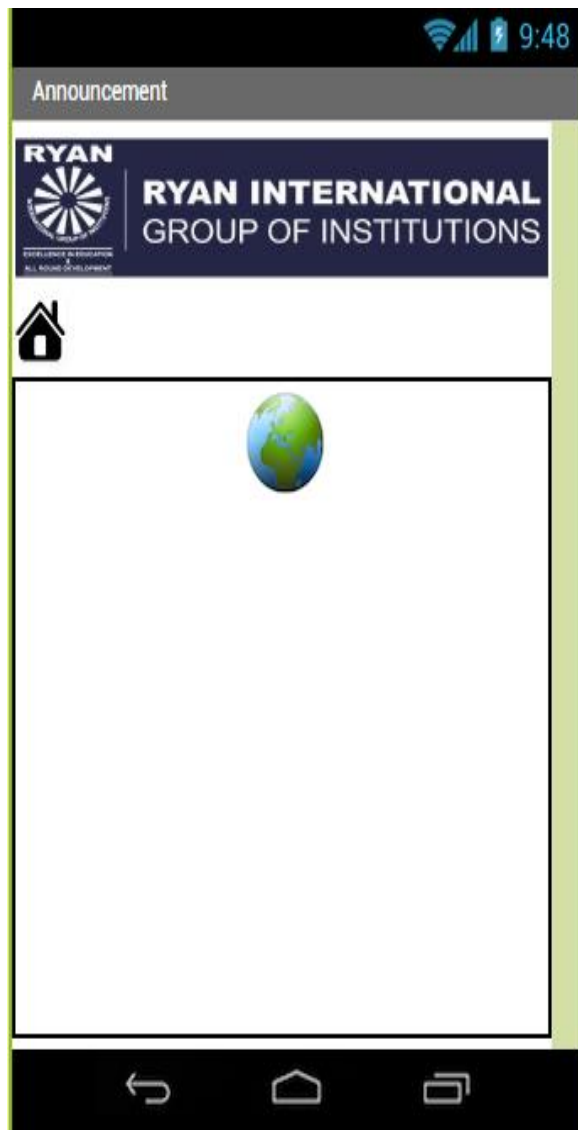


Home Screen

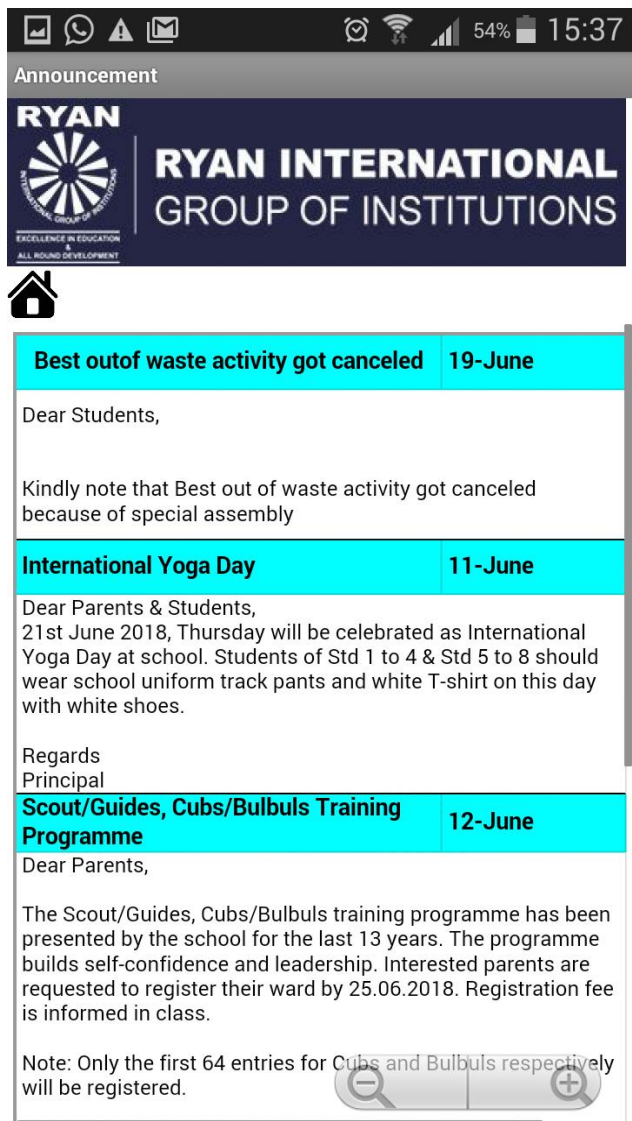


Announcement Screen

Design Layout



Application Preview

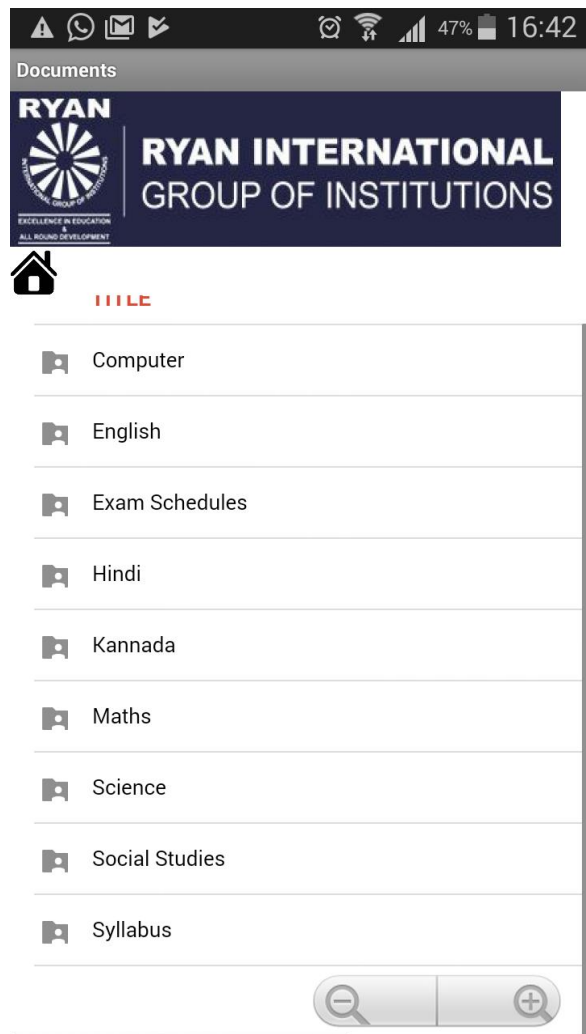


Documents Screen

Design Layout



Application Preview

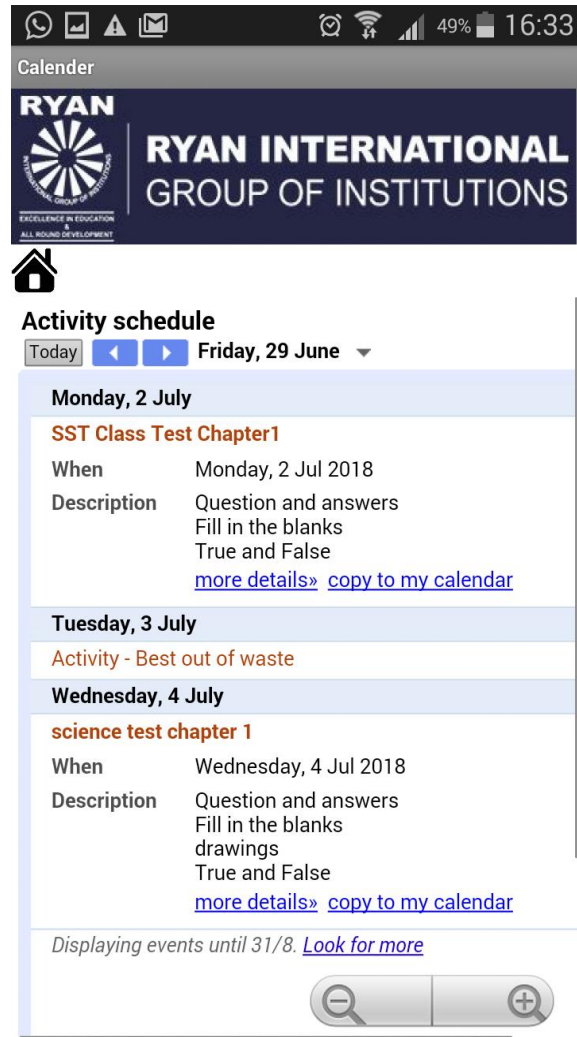


Calendar Screen

Design Layout



Application Preview

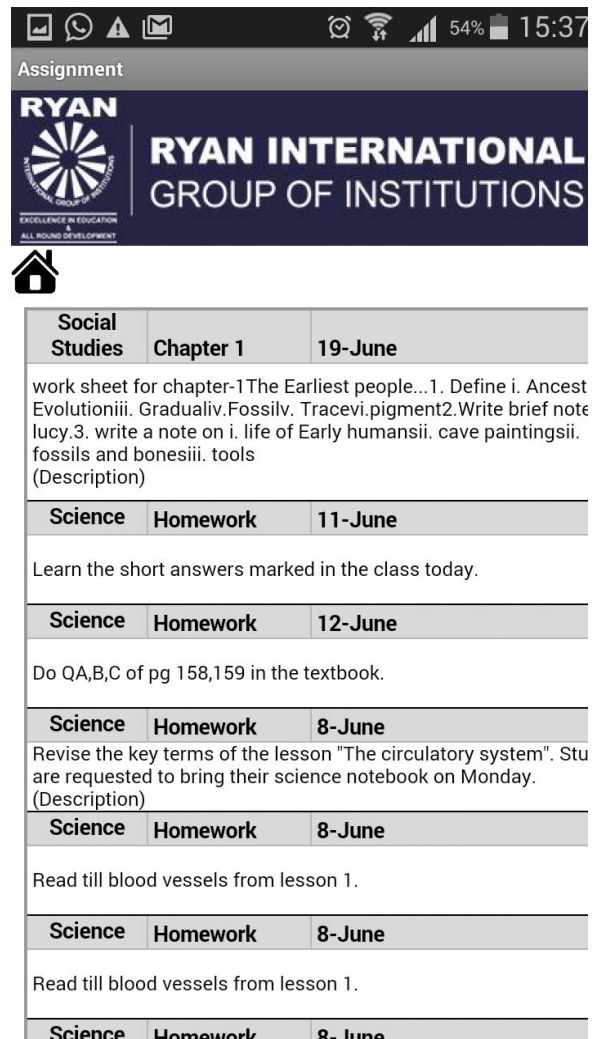


Assignment Screen

Design Layout

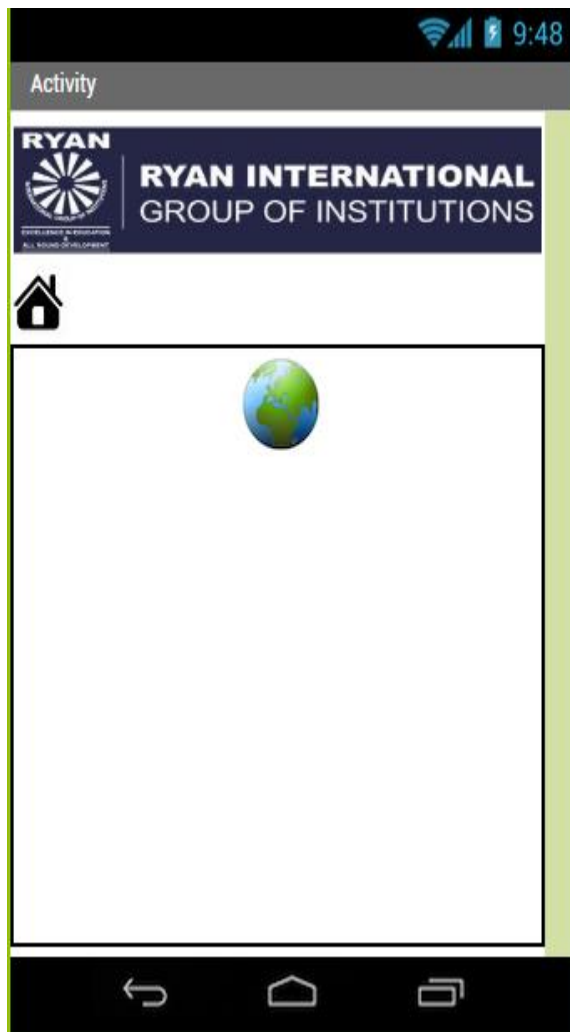


Application Preview

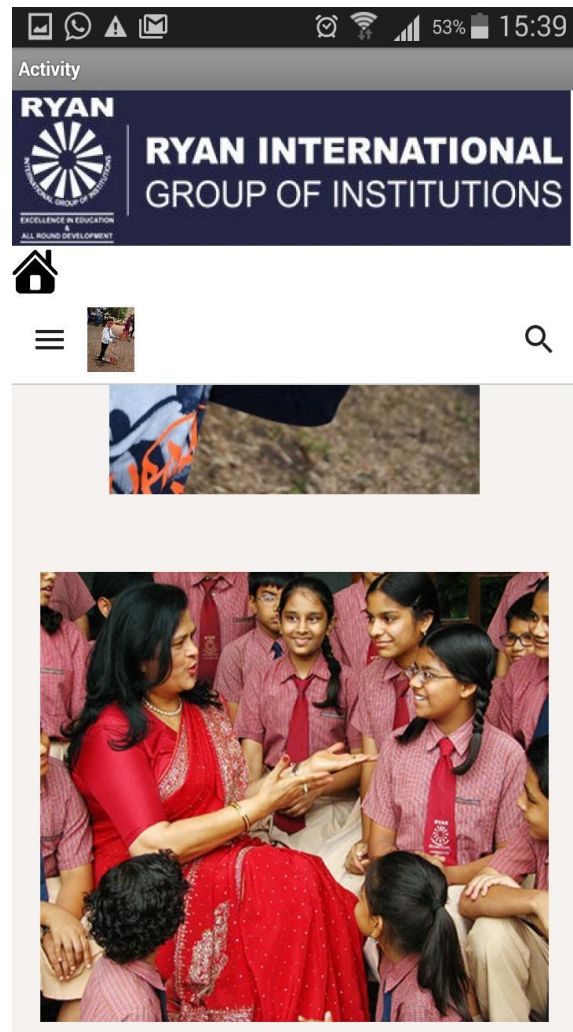


Activity Screen

Design Layout

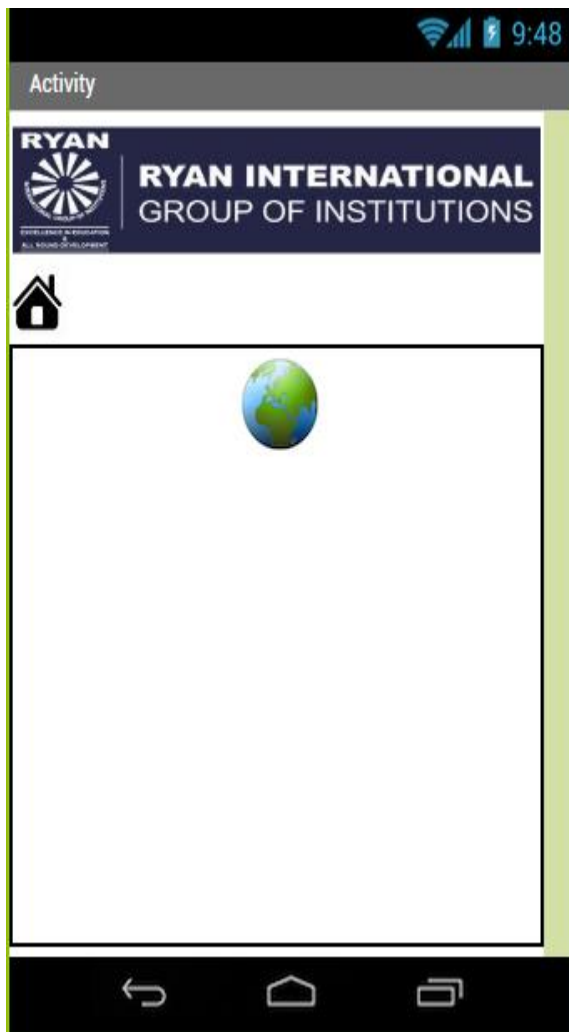


Application Preview

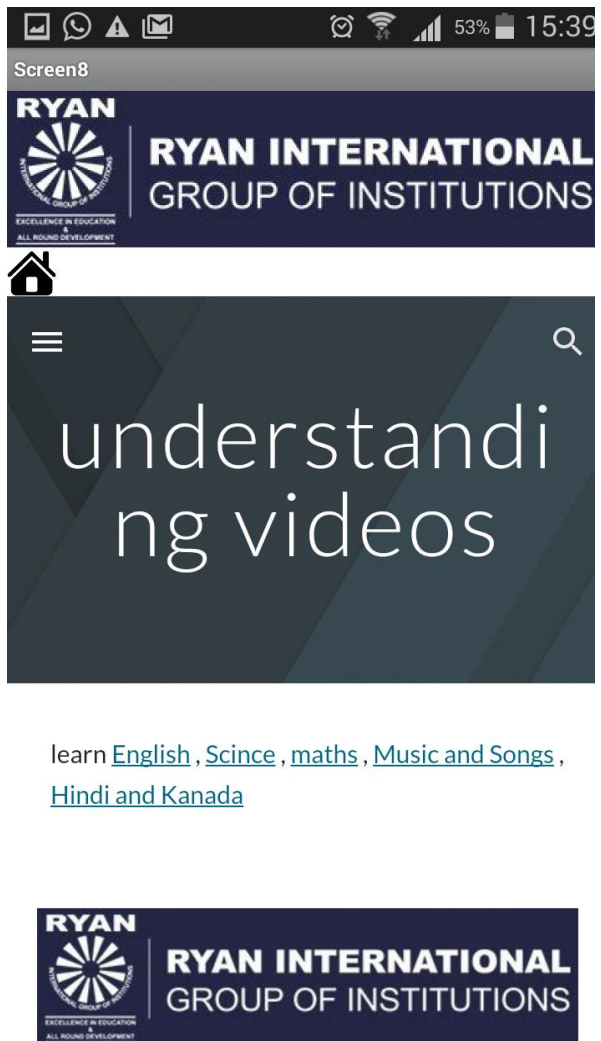


Tutorial Screen

Design Layout



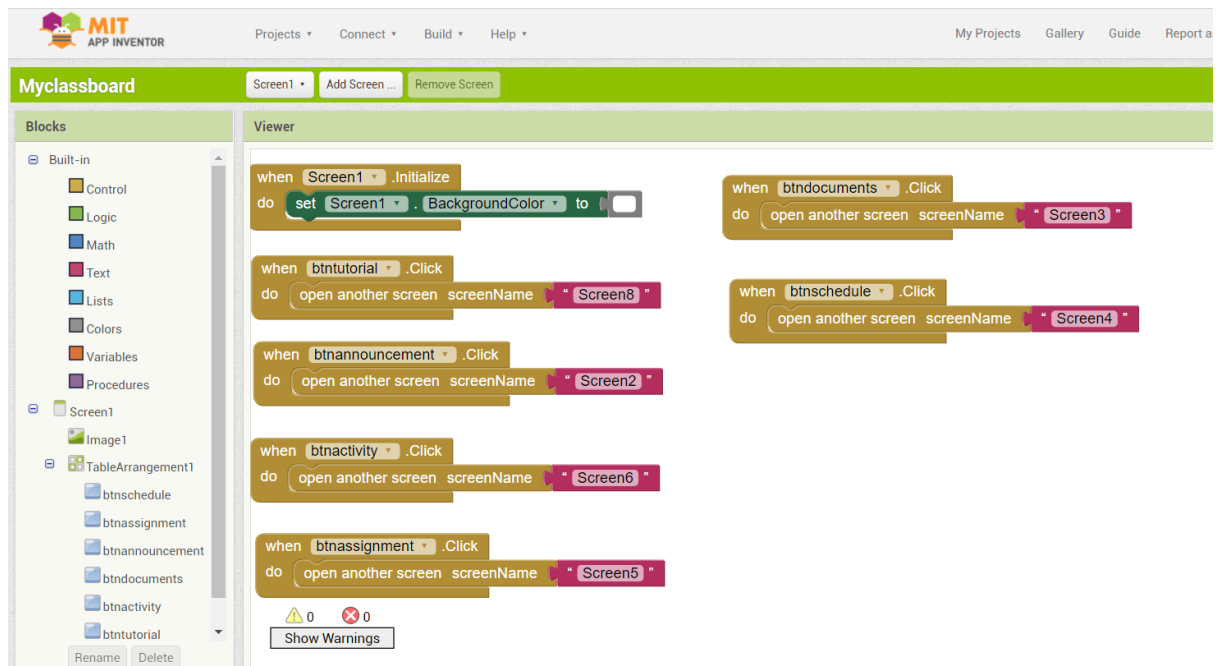
Application Preview



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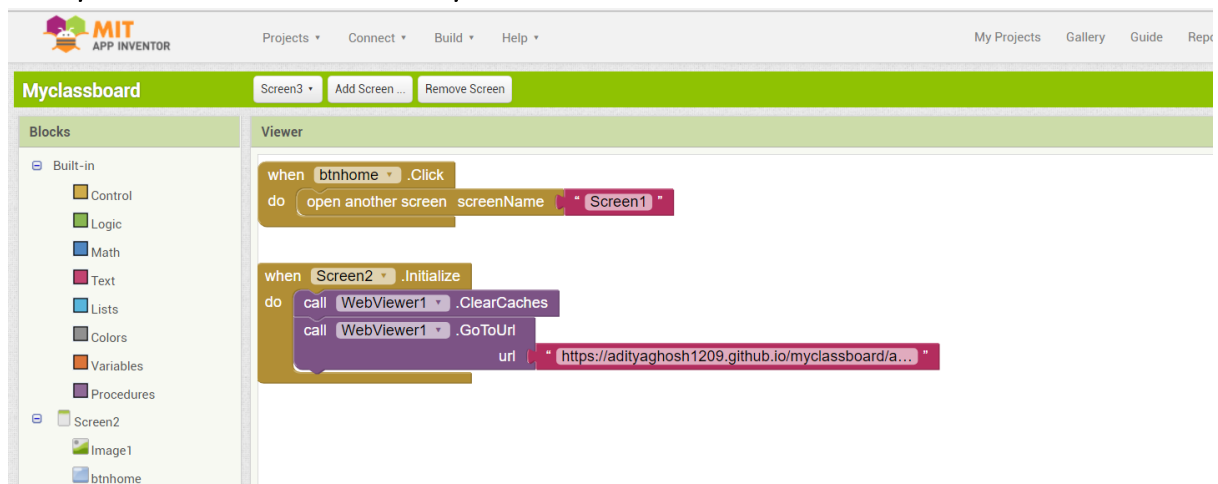
Source Code

Home Screen:

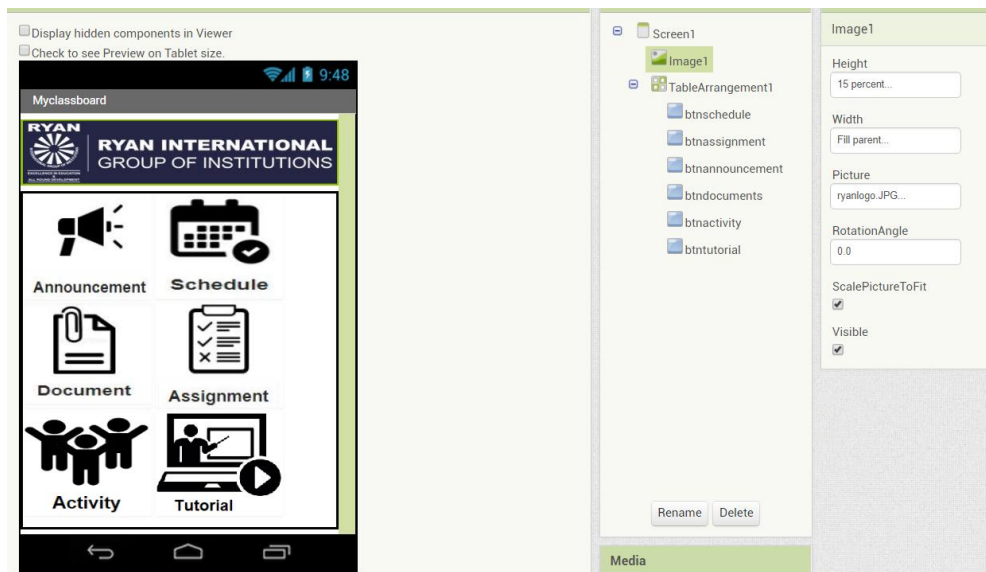
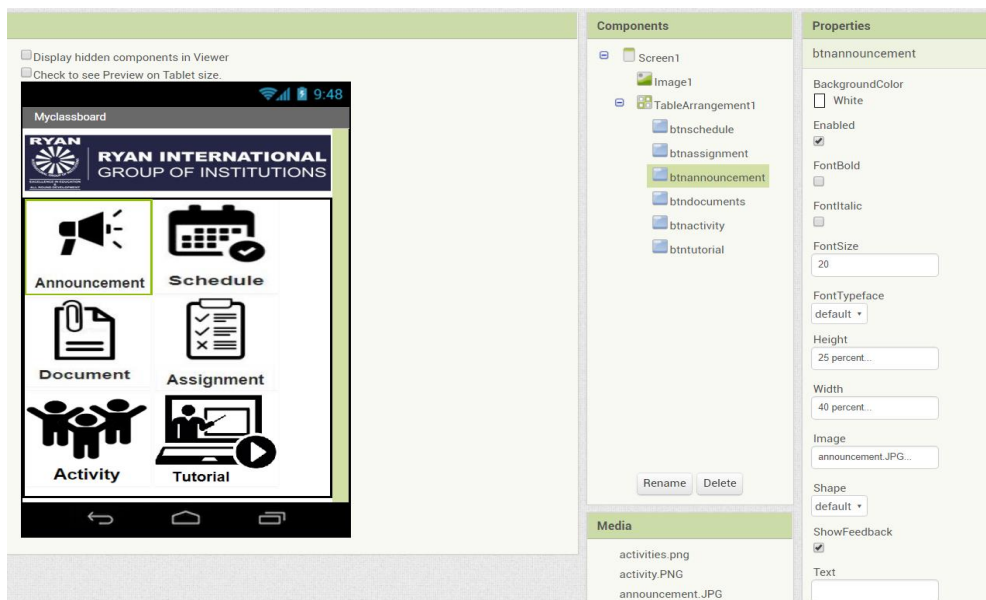
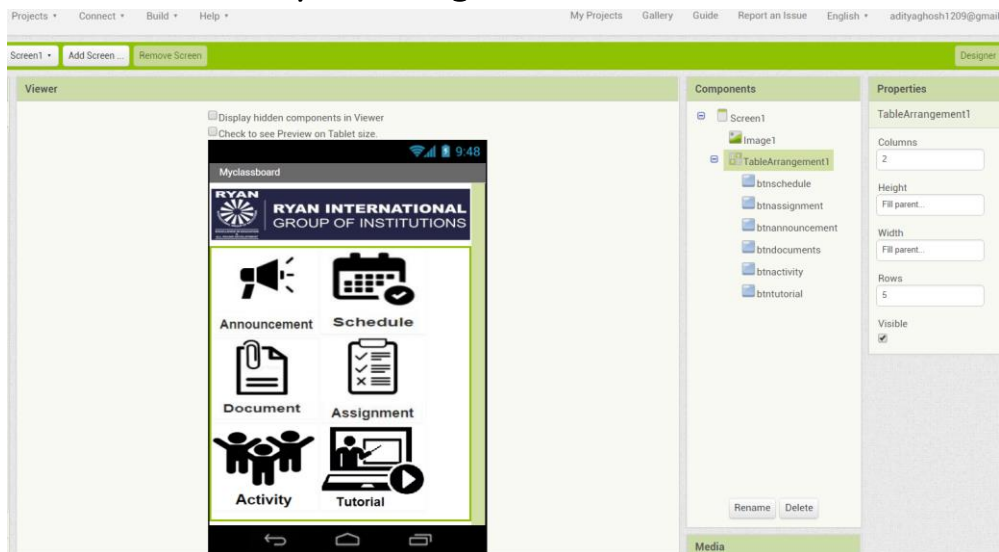


Source Code:

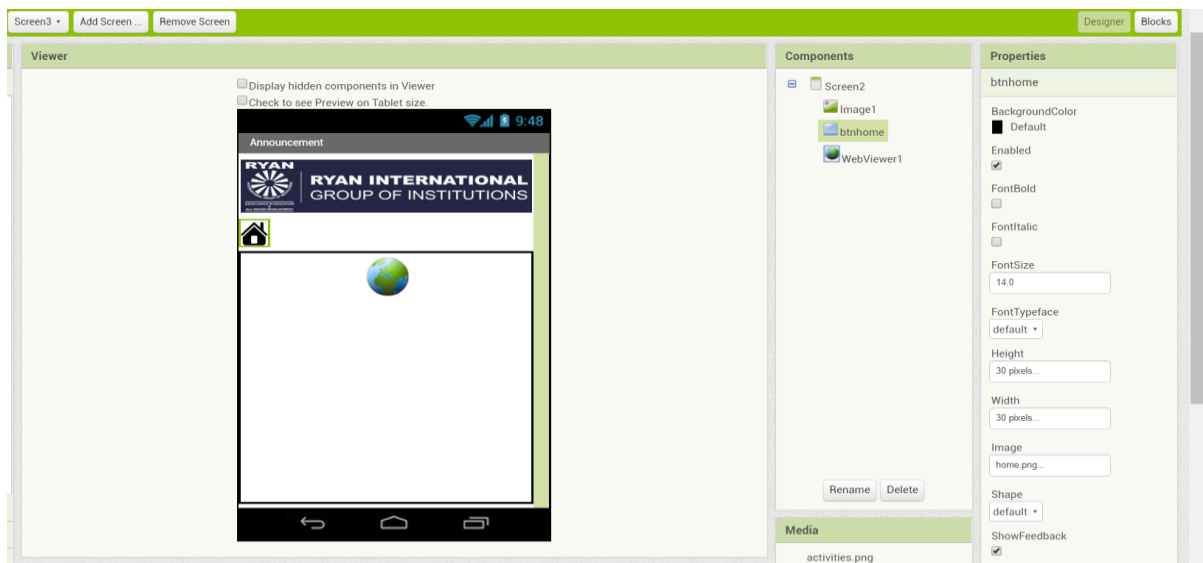
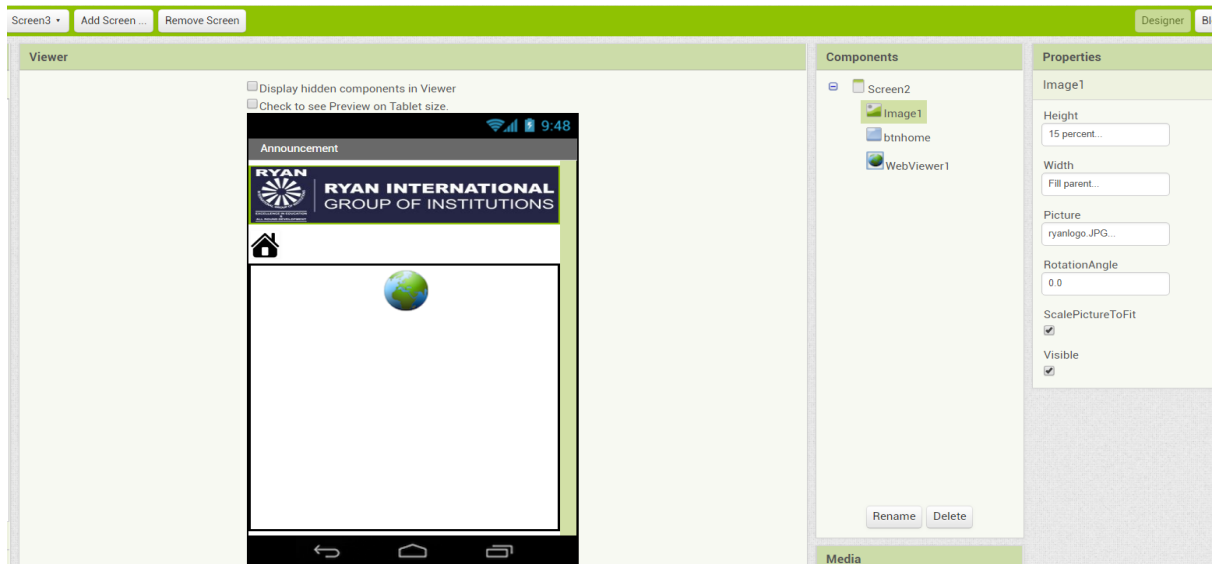
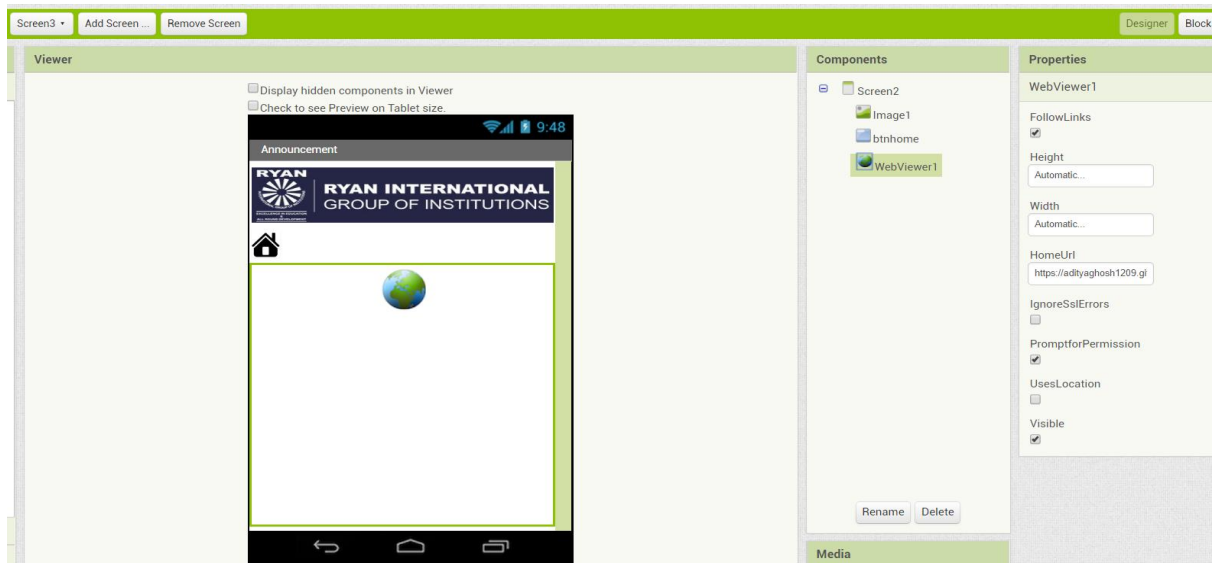
Utility Screen have same code layout



User Interface Layout Design details – Home Screen



User Interface Design details – Utility screens



MyClassboard Android application

Get HTML code from Google Spreadsheet

The screenshot shows a Google Spreadsheet titled "Assignment.xlsx" with columns A, B, and C. The data includes dates and topics like "Social Studies Chapter 1", "Science Homework", and "19-June". A "Publish to the web" dialog box is open on the right, showing the "Embed" tab with an iframe code and a "Published" button.

	A	B	C
1	Social Studies	Chapter 1	19-June
2	work sheet for chapter-1The Earliest people...1. Define i. Ancestorsii. Evolutioniii. Gradualiv.Fossilv. Tracevi.pigment2. Write brief note on lucy.3. write a note on i. life of Early humansii. cave paintingsii. fossils and bonesiii. tools (Description)		
3	Science	Homework	11-June
4	Learn the short answers marked in the class today.		
5	Science	Homework	12-June
6	Do QA,B,C of pg 158,159 in the textbook.		
7	Science	Homework	8-June
8	Revise the key terms of the lesson "The circulatory system". Students are requested to bring their science notebook on Monday. (Description)		
9	Science	Homework	8-June
10	Read till blood vessels from lesson 1.		
11	Science	Homework	8-June
12	Read till blood vessels from lesson 1.		
13	Science	Homework	8-June
14	Read till blood vessels from lesson 1.		

Publish to the web

This document is published to the web.

Make your content visible to anyone by publishing it to the web. You can link to or embed your document. [Learn more](#)

Link **Embed**

Timetable

```
<iframe src="https://docs.google.com/spreadsheets/d/e/2PACX-1vSCILt8eu1-wgA8p-YBnP-LOaEvOgrlGDhEfWCo8a-C4s5NEQBY1NzV6SVUYI5ETI6BuKiwwUZbs6s/pubhtml?gid=1423170448&single=true&widget=true&headers=false">
```

Note: Viewers may be able to access the underlying data for published charts. [Learn more](#)

Published

Published content & settings

Assignment, Announceme...

Stop publishing

☒ Automatically republish when changes are made

Create HTML file in GITHUB

Click Create New file under <>Code tab.

The screenshot shows the GitHub repository page for "myclassboard" by "adityaghosh1209". It displays the repository overview with 14 commits, 1 branch, 0 releases, and 1 contributor. The "Code" tab is selected, showing the file list with "README.md", "announcement.html", "assignment.html", "index.html", and "timetable.html". The "timetable.html" file is highlighted.

adityaghosh1209 / myclassboard

Watch 0 Star 0 Fork 0

Code Issues 0 Pull requests 0 Projects 0 Wiki Insights Settings

No description, website, or topics provided. [Edit](#)

Add topics

14 commits 1 branch 0 releases 1 contributor

Branch: master New pull request

Create new file Upload files Find file Clone or download

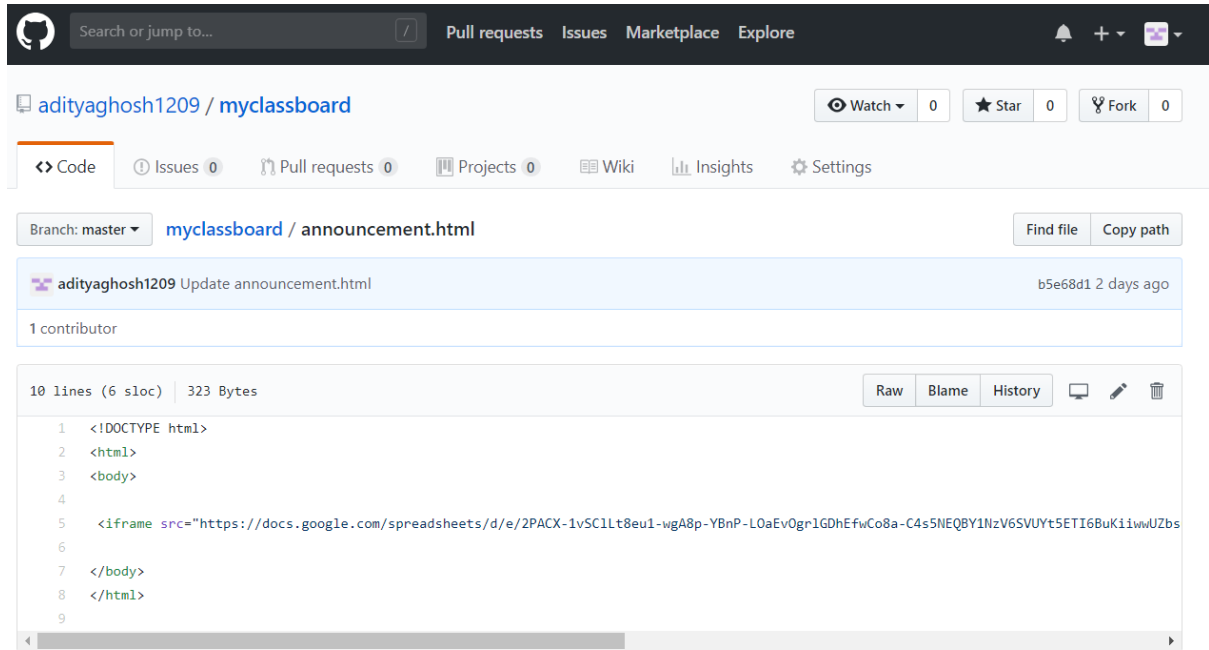
File	Commit	Time
README.md	Create README.md	8 days ago
announcement.html	Update announcement.html	2 days ago
assignment.html	Update assignment.html	2 days ago
index.html	Update index.html	8 days ago
timetable.html	Update timetable.html	2 days ago

adityaghosh1209 Update timetable.html Latest commit 3c0ce35 2 days ago

README.md

MyClassboard Android application

Update HTML code in GitHub Webpage and click Commit to save the changes.



adityaghosh1209 / myclassboard

Watch 0 Star 0 Fork 0

Code Issues 0 Pull requests 0 Projects 0 Wiki Insights Settings

Branch: master myclassboard / announcement.html Find file Copy path

adityaghosh1209 Update announcement.html b5e68d1 2 days ago

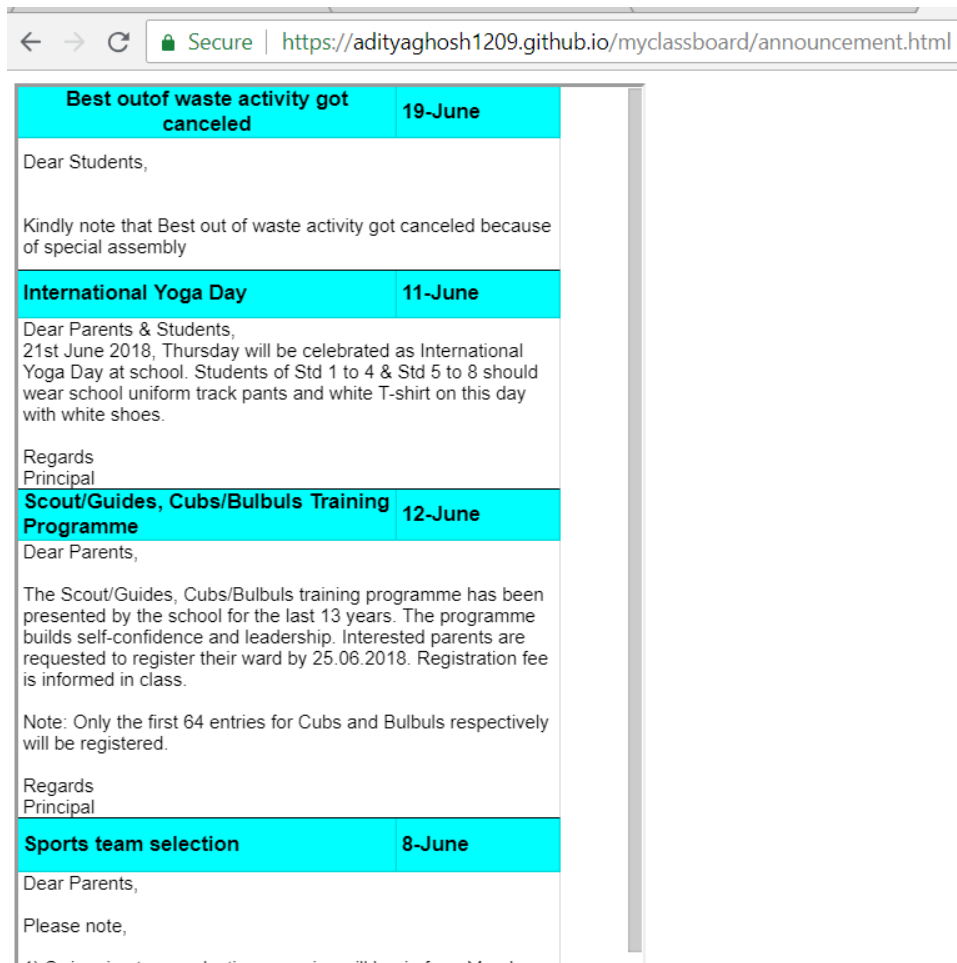
1 contributor

10 lines (6 sloc) | 323 Bytes Raw Blame History

```
1 <!DOCTYPE html>
2 <html>
3 <body>
4
5 <iframe src="https://docs.google.com/spreadsheets/d/e/2PACX-1vSC1Lt8eu1-wgA8p-YBnP-L0aEv0gr1GDhEfWCo8a-C4s5NEQBY1NzV6SVUYt5ETI6BuKiiwUzbs
6
7 </body>
8 </html>
9
```

Test the HTML Code.

Finally update the Android Application Web viewer with the code.



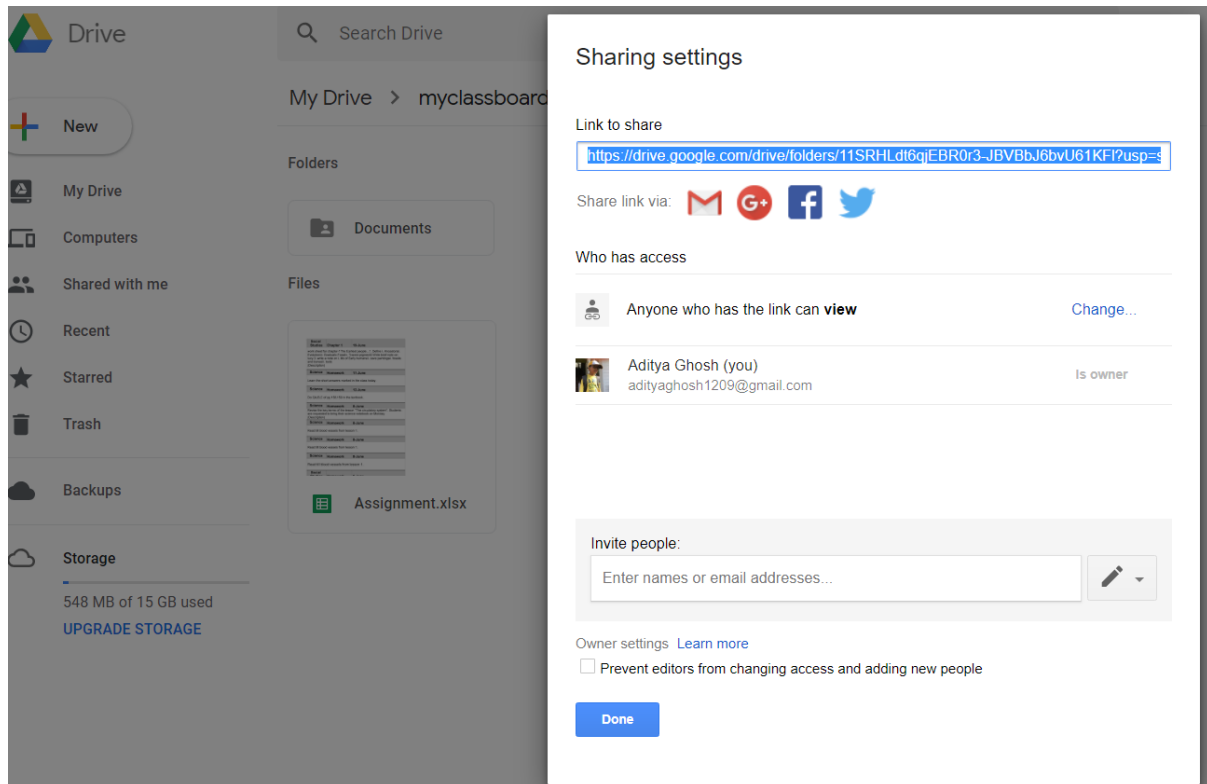
Secure | https://adityaghosh1209.github.io/myclassboard/announcement.html

Best outof waste activity got canceled	19-June
Dear Students,	
Kindly note that Best out of waste activity got canceled because of special assembly	
International Yoga Day	11-June
Dear Parents & Students, 21st June 2018, Thursday will be celebrated as International Yoga Day at school. Students of Std 1 to 4 & Std 5 to 8 should wear school uniform track pants and white T-shirt on this day with white shoes.	
Regards Principal	
Scout/Guides, Cubs/Bulbuls Training Programme	12-June
Dear Parents,	
The Scout/Guides, Cubs/Bulbuls training programme has been presented by the school for the last 13 years. The programme builds self-confidence and leadership. Interested parents are requested to register their ward by 25.06.2018. Registration fee is informed in class.	
Note: Only the first 64 entries for Cubs and Bulbuls respectively will be registered.	
Regards Principal	
Sports team selection	8-June
Dear Parents,	
Please note,	

Get Shared linked from Google Drive

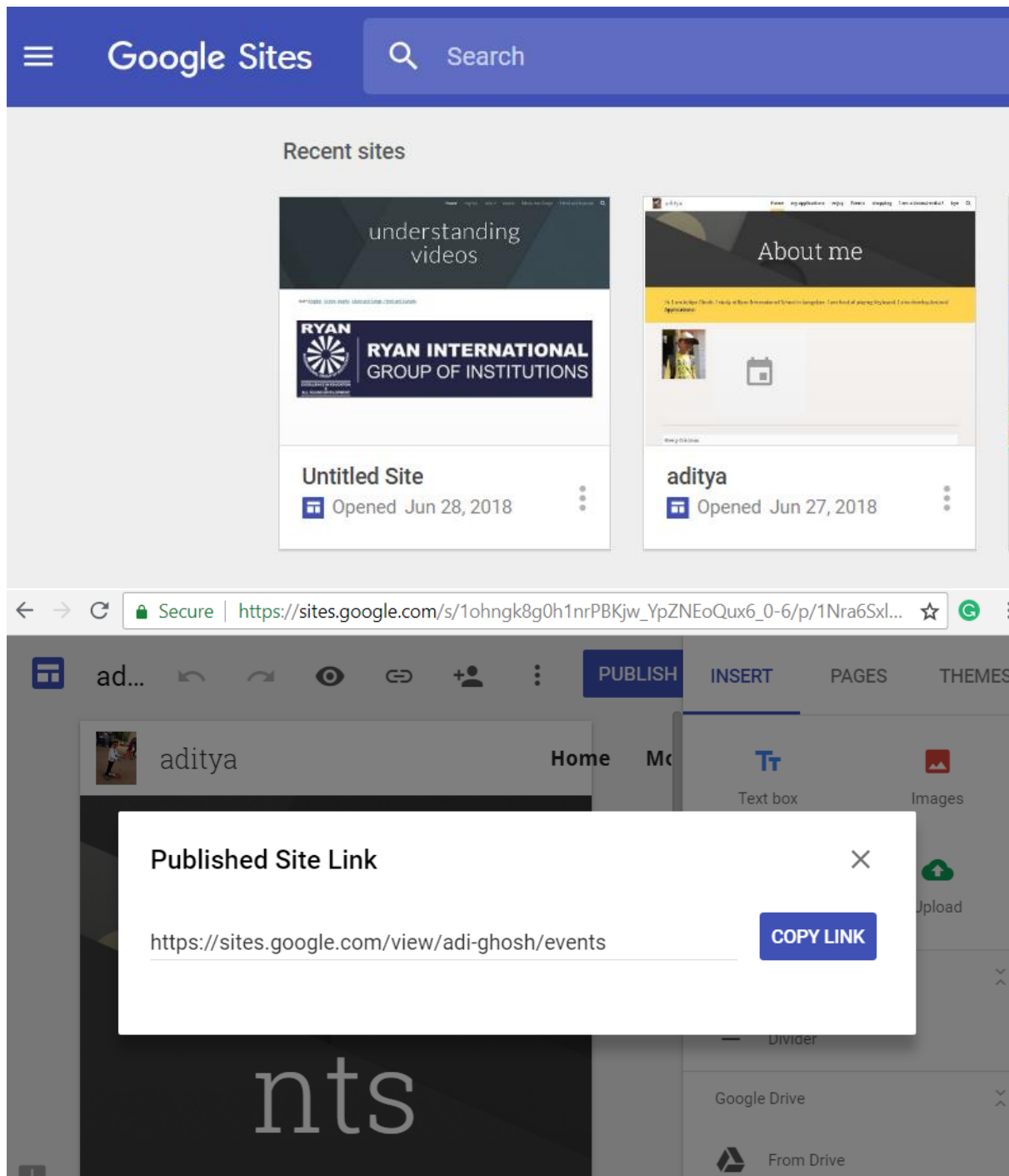
Make the folder shared as read-only.

Get the Shared link and update the Android Application Web viewer with the code.



Get Google Site address

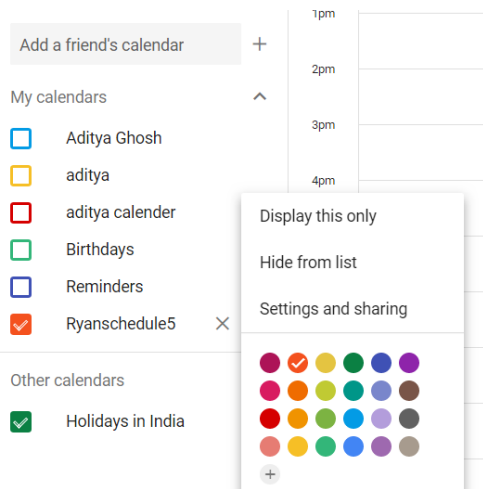
Get the Shared link and update the Android Application Web viewer with the code.



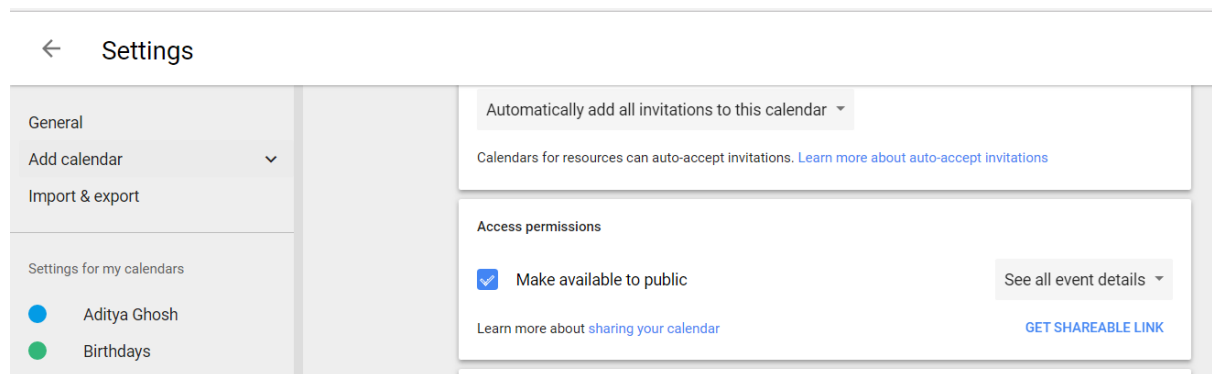
Get HTML code for Google Calendar

Login to Google Calendar.

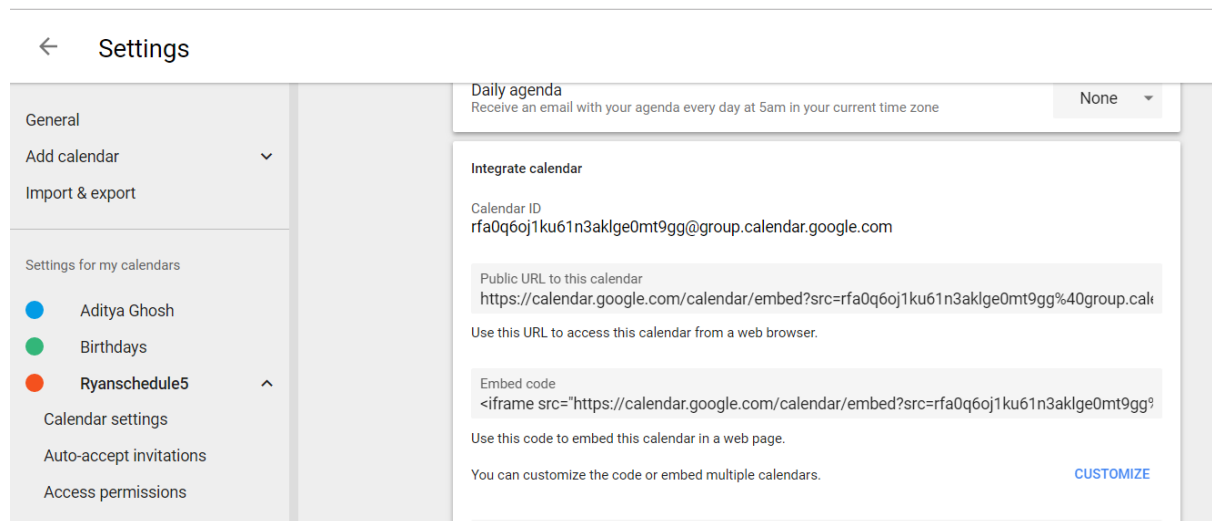
Select the Calendar and click on Settings and Sharing



Make the calendar Public



Under Integrate Calendar go to Customize



MyClassboard Android application

Customise settings as below.

Copy the HTML Code and update the GitHub Webpage Schedule.html



Calendar Title

Show

- ☒ Title
- ☒ Navigation buttons
- ☒ Date
- ☐ Print icon
- ☐ Tabs
- ☐ Calendar list
- ☐ Time zone

Default View

- ☐ Week ☐ Month ☒ Agenda

Width

400 pixels

Height

300 pixels

Week Starts On

Sunday ▼

Language

Default ▼

Background Color

☐ Border?

Google Embeddable Calendar Helper

Copy and paste the HTML below to include this calendar on your webpage

[Update HTML](#)

```
<iframe src="https://calendar.google.com/calendar/b/1/embed?showPrint=0&showTabs=0&showCalendars=0&showTz=0&mode=AGENDA&eight=800&wkst=1&bgcolor=%23FFFFFF&src=rfa0q6oj1ku61n3aklge0mt9gg%4roup.calendar.google.com&color=%23B1440E&ctz=Asia%2FCalcutta">
```

Ryanschedule5

Today [←](#) [→](#) Saturday, June 30 ▼

Monday, July 2

SST Class Test Chapter1

When Monday, Jul 2, 2018
Description Question and answers
Fill in the blanks
True and False
[more details>](#) [copy to my calendar](#)

Tuesday, July 3

Activity - Best out of waste

Wednesday, July 4

science test chapter 1

When Wednesday, Jul 4, 2018
Description Question and answers
Fill in the blanks
drawings
True and False
[more details>](#) [copy to my calendar](#)

Showing events until 8/31. [Look for more](#)

Finally build the apk file

The apk package file is available for download in Google drive

<https://drive.google.com/file/d/16viGDLQOE2unl3r0F1UyxG3JtAO-J681/view?usp=sharing>

