Client Doc

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Class ChatActivity

Extends AppCompactActivity

    Class Methods and Details

    1- protected void onCreate(Bundle savedInstanceState)

        Description: Includes buttons to run set function

            - Details: Back button is set to go back to main page, send button is to set to send URL + message to the server through WebSocket.

    2- public void message(String message)

        Description: sending message

            - Detail: Sends URL that involved a message to send a message for serverside.


Class Contact

Extends Activity

    Class Methods and Details

    1- protected void onCreate(Bundle savedInstanceState)

        Description:

            - parameters -1 savedInstanceState

            - Details: get the values of width and height then, display the metrics.


Class CusAdapter

Extends BaseAdapter

implements ListAdapter

    Class Methods and Details

    1- public int getCount ()

        Description:

        returns Size of the list

2- public View getView(int position, View convertView, View Group parent)

      Description:

- parameters -1 position 2- convertView 3- parent
- returns view
- Details: Gets the users from the database and show on the list with add and delete button without the person who logged in

3 - public void onClick(View v)

      Description:

- parameters -1 View v
- add.setOnclickListener
- delete.setOnclickListener
- Details: set up the server URL using id and name. Deleting button sends a request to delete a friend from the personal profile, Adding button adds a friend to a personal profile.

Class DrawActivity
Extends Activity
implements OnClickListener

    Class Methods and Details

    1- protected void onCreate()

- Description: initiate content view and call createWebSocketClient()

    2- private void createWebSocketClient()

- Description: connect to websocket server and pass WebSocketClient variable to drawingView object

    3- public void paintClicked(View view)

- Description:
  - parameters -1 View view

- Details: set brush color of drawingView. Get tag from the parameter view and call setColor method from drawingView

4- public void openColorPicker(View view)
- Description:
- parameters -1 View view
- Details: Utilize AmbilWarna color picker jar library. Provide more color options to users.

5- public void onClick(View view)
- Description:
- parameters -1 View view
- Details:
- draw_button : Call brush_chooser layout and let user change brush size
- erase_button : set brush to eraser
- new_button : clear canvas board
- save_button : save image to user's phone
- color_button : show pickable color palette to user

Class DrawingView
Extends SurfaceView
Constructor Method:
    public DrawingView(Context context, AttributeSet attrs) : call setupDrawing()

    Class Methods and Details
    1- private void setupDrawing()
    - Description: Initialize paint, canvas and path.
    2- protected void onSizeChanged(int w, int h, int oldw, int oldh)
    - Description:
        - parameters -1 w -2 h -3 oldw -4 oldh

- Details: Adjust canvas size change. Create new bi tmap and make new canvas instance with it.

3- protected void onDraw(Canvas canvas)
  - Description:
    - parameters -1 canvas
    - Details: Draw path that is passed from onTouchedE vent() to canvas. This method will be called afte r onTouchedEvent()

4- public boolean onTouchedEvent(MotionEvent event)
  - Description:
    - parameters -1 event
    - return true
    - Details: If on click down event, call move(touchX , touchY). Else call stroke(touchX, touchY). Send draw_update protocol to server.

5- public void move(float x, float y)
  - Description:
    - parameters -1 x -2 y
    - Details: Move path pointer to (x,y) position

6- public void stroke(float x, float y)
  - Description:
    - parameters -1 x -2 y
    - Details: Stroke path pointer to (x,y) position

7- public boolean linkSocket(WebSocketClient link)
  - Description:
    - parameters -1 link
    - return true
    - Details: Receive client socket from drawer/guesse r activity class

8- public void setColor(String newColor)
  - Description:
    - parameters -1 newColor: hex int color
    - Details: Set color to newColor

9- public void setBrushSize(float newSize)
- Description:
- parameters -1 newSize
- Details: Set brush size to newSize
10- public void setLastBrushSize(float lastSize)
- Description:
- parameters -1 lastSize
- Details: Remember the size of brush used last
11- public void setLastBrushSize()
- Description: Return the size of brush used last
12- public void setErase(boolean isErase)
- Description:
- parameters -1 isErase
- Details: If isErase is ture, set paint mode to CL EAR. Else set xfermode to null.
13- public void startNew()
- Description: Clear canvas.

Class FriendActivity
Extends Activity
implements Runnable
Class Methods and Details
1- protected void onCreate(Bundle savedInstanceState)
Description:
- parameters 1- savedInstanceState
- Details: Set the content view and set button to find viewbyId
2- public void run()
Description:
- parameters (none)
- Details: Fetchs usernames from database server display it with JSONARRAY within JSONOBJECT invol ves cusAdapter.

3- public void onClick(View v)
    Description:
        -parameters 1- View v
        -back.setOnclickListener
        -Details: sends users back to main page when back
button is clicked

Class GalleryActivity
Extends AppCompatActivity
    Class Methods and Details
    1 - protected void onCreate(Bundle savedInstanceState)
        Description:
            - parameters 1- savedInstanceState
            - Details : Set the content view and set button t
o find view by Id
    2 - public void onClick(view v)
        Description:
            -back.setOnclickListener
            - Details: Back button send back users to main pa
ge

Class GuessActivity
Extends Activity
    Class Methods and Details
    1 - protected void onCreate(Bundle savedInstanceState)
        Description:
            -parameters 1- savedInstanceState
            -Details : Set up the content view and WebSocketC
lient
    2 - public void onOpen(ServerHandshake serverHandshake)
        Description:
            -parameters 1- serverHandshake
            -Details : Connect to the server

3- public void onMessage(String s)
        Description:
                -Parameters 1- String s
                -Details : Using the JSONObject, compare this whe
ther it is                          drawUpdate, colorChange, cha
ngeBrush, eraser, and new.
    4- public void onClose(int i, String s, boolean b)
        Description:
                -Parameters 1- int i 2-String s 3- boolean b
                -Details : Disconnect to the server
    5- public void drawUpdate(float x, float y, int step)
        Description:
                -Parameters 1-float x 2- float y 3- int step
                -Details : Compare the value of step and if it is
0, then it can move as            x+y. if it equals to 1, the
n it can stroke as x+y and for other values of            st
ep, it will reset as x+y

Class  Login
Extends AppCompactActivity
    Class Methods and Details
    1- protected void onCreate(Bundle savedInstanceState)
        Description:
                -parameters 1- savedInstanceState
                -Details: set up the content set buttons to findb
yviewID
    2- public void onClick(view v)
        Description:
                -register.setOnclickListner
                -login.setOnclickListner
                -Details: register button sends user to register
page. Login fetchs                  information from editText co
mpares responses incase of -1(Wrong            username), 0

(Wrong password), rest as id number and stores it to let
    user log in.

Class MainActivity
Extends AppCompactActivity
    Class Methods and Details
    1- protected void onCreate(Bundle savedInstanceState)
        Description:
            -parameters 1- savedInstanceState
            -Details: set up the content set buttons to findb
yViewID
    2- public void onClick(view v)
        Description:
            -setting.setOnclickListner
            -gallery.setOnclickListner
            -friendlist.setOnclickListner
            -profile.setOnclickListner
            -create.setOnclickListner
            -join.setOnclickListner
            -Details: leading users to the intended pages by
setOnclickListner

Class ProfileActivity
Extends AppCompatActivity
implements Runnable
    Class Method and Details
    1- protected void onCreate(Bundle savedInstanceState)
        Description:
            -parameters 1- savedInstanceState
            -Details : Set up the contentView and buttons to
find ViewById
    2- public void onClick(View v)
        Description:

-back..setOnclickListener

            -Details: Back button sends the user back to the main
    page
    3- public void run()
            Description:
                    -parameters  (none)
                    -Details : brings current users friend as a list
to the client


Class RegisterActivity
Extends AppCompactActivity
    Class Methods and Details
    1- protected void onCreate(Bundle savedInstanceState)
            Description:
                    -parameters 1- savedInstanceState
                    -Details: set up the content set buttons to findb
yviewID
    2- public void onClick(view v)
            Description:
                    -register.setOnclickListner
                    -back.setOnclickListner
                    -Details: register button sends user information
by fetching textEdit            and combine it to url. Send thos
e information to server and register                user. Compar
es responses incase of -1 (username already exist),            r
est  as successfully register and send user back to login page.

Class SettingActivity
Extends AppCompatActivity
    Class Methods and Details
    1- protected void onCreate(Bundle savedInstanceState)
            Description:

-parameters 1- savedInstanceState

-Details: set up the contentView and initiate use rname and password              to findViewById.

2 - public void onClick(View v)

Description:

-back.setOnclickListener

-contact.setOnclickListener

-Details: using username and password, setup the url. By clicking contact it will show image of our group contact information.