Sentence

Motivation Our motivation behind this project was to provide a platform for many affected by concerns related to mental illness and other safety features which have been more demanding in recent times due to the covid-19 pandemic. Objective The Objective behind our app is to give a readily available mental health solution to everyone who uses a smartphone. As the need for such an app has increased after this pandemic. This app has some features which we have focused on that makes it better than currently available apps like: - Habit Tracker Mood Tracker Self-Assessment Quizzes Breathing Exercises Existing Work with Limitations • The current system of maintenance of most of the mental health tracker is manual . This system is difficult to handle due to following drawbacks : • The current system of maintenance of most of the mental health tracker is manual . This system is difficult to handle due to following drawbacks : The current system of maintenance of most of the mental health tracker. This system is difficult to handle due to following drawbacks: Effectiveness: For whom and for what Privacy Guidance Regulation Overselling Problem Solution The main purpose is to help each individual be better able to cope with their mental health in various forms which they are otherwise unable to do so without outside help. I. Navigation list and Home: 1) You are able to navigate through the various modules/features of the app by clicking the three bars icon on the top left of the screen. 2) 3) On the Home screen of MentAlly, a daily motivational quote is shown in order to stimulate and encourage the user. 1. XML Code: i) For Home: ii) For contacts: iii) 1 . Java Code: i) Contacts: 2 3 { 4 5 private String name; //mandatory 6 private String email; //mandatory 7 private String contactId; 8 private static int contactIdCounter; 9 10 sActivity extends MainActivity { private Button addButton; private Button deleteListButton; private ListView myListView; private ContactsActivity.MyListAdapter mylistadapter; private FirebaseFirestore db; private String uid; private final List contactList = new ArrayList(); @Override protected void onCreate(Bundle savedInstance) { getLayoutInflater().inflate(R.layout.activity_ _contacts, contentFrameLayout); this.addButton = findViewById(R.id.addButton); @Override public void onItemClick(AdapterView parent, View view, int position, long id) { final int pos = position; final TextView nameLabel = infoTaskDialogView.findViewById(R.id.nameLabel); final TextView phoneNumberLabel = infoTaskDialogView.findViewById(R.id.phoneNumberLabel); AlertDialog infoDialog = new AlertDialog. .setView(infoTaskDialogView) addButton.setOnClickListener(new View.OnClickListener() { @Override public void onClick(View v) { View addTaskDialogView = getLayoutInflater().inflate(R.layout.add_new_contact_dialog, null); final EditText contactName = addTaskDialogView.findViewById(R.id.contact_name); final EditText phoneNumber = addTaskDialogView.findViewById(R.id.phone_number); final EditText email = addTaskDialogView.findViewById(R.id.email); AlertDialog dialog = new AlertDialog. .setView(addTaskDialogView) .setPositiveButton(null, new DialogInterface.OnClickListener() { @Override public void onClick(DialogInterface dialog, int which) { if (contactName.getText().toString } if (phoneNumber.getText().toString(). } if (email.getText().toString(). } else { Toast.this, "Successfully Added contact", Toast.LENGTH_SHORT).show(); Contact newContact; try { newContact = new Contact(contactName.getText().toString(), Long.parseLong(phoneNumber.getText(). addContactToDatabase(newContact.getContactId(), contactName.getText().toString(), Long.parseLong(phoneNumber.getText().; mylistadapter.setData(contactList); } catch (NumberFormatException e) { }) .setPositiveButtonIcon(AppCompatResources.getDrawable(ContactsActivity.this, R.drawable.complete_task)) .create(); dialog.show(); } }); deleteListButton.setOnClickListener(new View.OnClickListener() { @Override public void onClick(View v) { class MyListAdapter extends BaseAdapter { List contactList = new ArrayList(); public void setData(List mList) { contactList.clear(); contactList.addAll(mList); notifyDataSetChanged(); } @Override public int getCount() { return contactList.size(); } @Override public Object getItem(int position) { return contactList.get(position); } @Override public long getItemId(int position) { return 0; } @Override public View getView(int position, View convertView, ViewGroup parent) { LayoutInflater inflateLayout = (LayoutInflater) ContactsActivity.this.getSystemService(Context.LAYOUT_INFLATER_SERVICE); View contactRow = inflateLayout.inflate(R.layout.contact, parent, false); TextView taskObject = contactRow.findViewById(R.id.contactItem); taskObject.setText(contactList.get(position).); return contactRow; } } public void addContactToDatabase(String contactId, String contactName, long phoneNumber, String email) { Map newContactForUser = new HashMap(); newContactForUser.put("name", contactName); newContactForUser.put("phoneNumber", phoneNumber); newContactForUser.put("email", email); db. document(uid). document(contactId).set(newContactForUser); } public void getAllContactsFromDB() { db. document(uid). .addOnCompleteListener(new OnCompleteListener() { @Override public void onComplete(@ com.google.android.gms.tasks.Task contact) { if (contact.isSuccessful()) { for (QueryDocumentSnapshot document : contact.getResult()) { Map contactItem = document.getData(); String contactName = (String) contactItem.get("name"); String email = (String) contactItem.get("email");

c.setContactName(contactName); c.setContactId(document.getId()); contactList.add(c); } mylistadapter.setData(contactList); } } }); } public void removeContactFromDb(String contactID) { db.document(this.uid).collection("contactLog").document(contactID).delete(); } private boolean isEmailValid(String email) { if (email == null) { return false; } if (email.contains("@")) { return Patterns.EMAIL_ADDRESS.matcher(email).matches(); } else { return !email.trim().isEmpty(); } } private boolean isPhoneNumberValid(String phoneNumber) { return phoneNumber.matches("^(?=(?:[8-9]){1}(?=[0-9]{8}).*)"); } } package com.pacman.MentAlly.ui.; public class DialogFragment extends DialogFragment { private static final int SELECTED_PIC = 1; private static final int REQUEST_CALL = 1; protected DrawerLayout draw; private FirebaseFirestore db=FirebaseFirestore.getInstance();; public Dialog onCreateDialog(Bundle) { builder.setTitle(R.string. _title) .setPositiveButton(R.string.yes, new DialogInterface.OnClickListener() { public void onClick(DialogInterface dialog, int id) { user = FirebaseAuth.getInstance().getCurrentUser(); db.document(user.getUid()). .addOnCompleteListener(new OnCompleteListener() { @Override public void onComplete(com.google.android.gms.tasks.Task task) { if (task.isSuccessful()) { for (QueryDocumentSnapshot document: task.getResult()) { Map taskItem = document.getData(); String phonenumber = taskItem.get("phoneNumber").toString(); return builder.create(); } public void call(String phone) { public void text(String phone) { else { Intent sendMessage = new Intent(Intent.ACTION_SENDTO,Uri.parse("smsto:" + phone)); sendMessage.putExtra("sms_body","I am currently experiencing an and have notified services. This message was sent by the Mentally app"); Intent shareMessage = Intent.createChooser(sendMessage,null); startActivity(shareMessage); } i) For Helpline: package com.pacman.MentAlly.ui.helpline; public class helplineActivity extends MainActivity { private static final int REQUEST_CALL = 1; FrameLayout contentFrameLayout = findViewById(R.id.frag_container); { public void onClick(View arg0) { call("tel:1-866-925-5454"); findViewById(R.id.transLifelineCall).setOnClickListener(new View.OnClickListener() { public void onClick(View arg0) { call("tel:877-330-6366"); } }); findViewById(R.id.transLifelineVisit).setOnClickListener(new View.OnClickListener() { public void onClick(View arg0) { visit("https://www.translifeline.org"); } }); findViewById(R.id.chimoHelpCall).setOnClickListener(new View. { findViewById(R.id.someOtherCall).setOnClickListener(new View.OnClickListener() { public void onClick(View arg0) { call("tel:780-743-4357"); } }); findViewById(R.id.cmhaCall).setOnClickListener(new View. findViewById(R.id.cmhaVisit).setOnClickListener(new View.OnClickListener() { public void onClick(View arg0) { visit("https://cmhapeeldufferin.ca"); } findViewById(R.id.hopeForWellnessVisit).setOnClickListener(new View.OnClickListener() { public void onClick(View arg0) { visit("https://www.hopeforwellness.ca"); } }); findViewById(R.id.nedicVisit).setOnClickListener(new View.OnClickListener() { public void onClick(View arg0) { visit("https://nedic.ca"); } }); findViewById(R.id.drugRehabCall).setOnClickListener(new View.OnClickListener() { public void onClick(View arg0) { call("tel:1-877-746-1963"); } }); Conclusion The results of the app on the given database were able to identify individuals with mental illness based on the information tracked by them. Habit Tracker as a feature can track the habits and keep count of them based on weekly, monthly, etc, also contacts module where users can enter family members' contacts and contact them in an

Sentence wise detail:

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Navigation list and Home: 1) You are able to navigate through the various modules/features of the app by clicking the three bars icon on the top left of the screen.

2) 3) On the Home screen of MentAlly, a daily motivational quote is shown in order to stimulate and encourage the user. 1.

XML Code: i) For Home: ii) For contacts: iii) 1 .

add_new_contact_dialog, null); final EditText contactName = addTaskDialogView. findViewById(R. id.

contact_name); final EditText phoneNumber = addTaskDialogView. findViewById(R. id.

phone_number); final EditText email = addTaskDialogView. findViewById(R. id.

email); AlertDialog dialog = new AlertDialog. .

setView(addTaskDialogView) . setPositiveButton(null, new DialogInterface. (0)

OnClickListener() { @Override public void onClick(DialogInterface dialog, int which) { if (contactName.

getText().

toString } if (phoneNumber. getText(). toString(). } if (email. getText(). toString(). } else { Toast.

this, Successfully Added contact", Toast. LENGTH_SHORT). show(); Contact newContact; try { newContact = new Contact(contactName. getText(). toString(), Long. (1)

this, Successfully Added contact", Toast. LENGTH_SHORT). parseLong(phoneNumber. getText(). (2)

addContactToDatabase(newContact.

getContactId(), contactName. getText(). toString(), Long. parseLong(phoneNumber. getText().; mylistadapter. (3)

setData(contactList); } catch (NumberFormatException e) { }) . setPositiveButtonIcon(AppCompatResources. (4)

getDrawable(ContactsActivity. this, R. drawable. complete_task)) . create(); dialog.

show(); } }); deleteListButton. setOnClickListener(new View. (5)

OnClickListener() { @Override public void onClick(View v) { class MyListAdapter extends BaseAdapter { List contactList = new ArrayList(); public void setData(List mList) { contactList. (6)

clear(); contactList.

addAll(mList); notifyDataSetChanged(); } @Override public int getCount() { return contactList. size(); } @Override public Object getItem(int position) { return contactList. (7)

get(position); } @Override public long getItemId(int position) { return 0; } @Override public View getView(int position, View convertView, ViewGroup parent) { LayoutInflater inflateLayout = (LayoutInflater) ContactsActivity. this. (8)

getSystemService(Context.

LAYOUT_INFLATER_SERVICE); View contactRow = inflateLayout. inflate(R. layout.

get(email"); c.

setContactName(contactName); c.

setContactId(document.

getId()); contactList.

add(c); } mylistadapter. setData(contactList); } } }); } public void removeContactFromDb(String contactID) { db.

document(this. uid). (9)

add(c); } mylistadapter. collection("contactLog"). (10)

document(contactID).

delete(); } private boolean isEmailValid(String email) { if (email == null) { return false; } if (email.

contains("@")) { return Patterns. EMAIL_ADDRESS. matcher(email).

Task task) { if (task.

isSuccessful()) { for (QueryDocumentSnapshot document: task. getResult()) { Map taskItem = document. (11)

getData(); String phonenumber = taskItem. get("phoneNumber"). (12)

toString(); return builder.

create(); } public void call(String phone) { public void text(String phone) { else { Intent sendMessage = new Intent(Intent. ACTION_SENDTO,Uri.

parse("smsto:" + phone)); sendMessage. putExtra("sms_body","I am currently experiencing an and have notified services. (13)

This message was sent by the Mentally app"); Intent shareMessage = Intent.

id.

transLifelineVisit).

setOnClickListener(new View. OnClickListener() { public void onClick(View arg0) { visit(https://www. translifeline. (14)

setOnClickListener(new View. org"); } }); findViewById(R. id. chimoHelpCall). (15)

setOnClickListener(new View. setOnClickListener(new View. { findViewById(R. id. someOtherCall). (16)

setOnClickListener(new View.

OnClickListener() { public void onClick(View arg0) { call("tel:780-743-4357"); } }); findViewById(R. id. cmhaCall).

setOnClickListener(new View. findViewById(R. id. cmhaVisit).

setOnClickListener(new View.

OnClickListener() { public void onClick(View arg0) { visit("https://cmhapeeldufferin.

ca"); } findViewById(R. id.

hopeForWellnessVisit).

setOnClickListener(new View.

OnClickListener() { public void onClick(View arg0) { visit("https://www. hopeforwellness.

ca"); } }); findViewById(R. id. nedicVisit).

setOnClickListener(new View.

OnClickListener() { public void onClick(View arg0) { visit("https://nedic.

ca"); } }); findViewById(R. id. drugRehabCall).

setOnClickListener(new View.

OnClickListener() { public void onClick(View arg0) { call("tel:1-877-746-1963"); } }); Conclusion The results of the app on

the given database were able to identify individuals with mental illness based on the information tracked by them.

Habit Tracker as a feature can track the habits and keep count of them based on

weekly, monthly, etc, also contacts module where users can enter family members' contacts and contact them in an (17)

Match Urls:

0: https://pastebin.com/EJza40SF

1: https://docs.microsoft.com/en-us/java/api/com.azure.resourcemanager.databox.models.contactdetails.contactname

2: https://www.atnyla.com/java/parselong-method-number-system-conversion-in-java/173

3: https://www.atnyla.com/program/parselong-method-number-system-conversion-in-java/0/173

4: https://programtalk.com/java-more-examples/androidx.appcompat.content.res.AppCompatResources.getDrawable()/

5: https://dandysciencewriters.com/buttonconverttoint-setonclicklistener-new-view-onclicklistener-override-public-void-onclickview-view/

6: https://www.grasshopper3d.com/forum/topics/setdata-list-of-list

7: https://www.coursehero.com/file/p4ks726h/Override-public-int-getLastDividerLocation-return-location/

8: https://stackoverflow.com/questions/49765277/read-contacts-permission-not-working

9: https://stackoverflow.com/questions/51072121/get-phone-number-from-contactlist

10: https://stackoverflow.com/questions/6363691/binding-textbox-to-observablecollection

11: https://sfplanninggis.org/arcgiswa/rest/services/Utilities/PrintingTools/GPServer/Export%20Web%20Map%20Task

12: https://www.globalcallforwarding.com/get-a-phone-number-online/

13: https://www.dailysms4u.com/sms=5013/i-am-currently-experiencing

14: https://stackoverflow.com/questions/10231309/android-button-onclick

15: https://www.tabnine.com/code/java/methods/org.dbtools.sample.MainActivity/findViewById

16: https://www.coursehero.com/file/p14g8b2/Button-findViewById-R-id-closebutton-setOnClickListener-new-OnClickListener/

17: https://finance.yahoo.com/quote/AN

Keywords Density

One Word	2 Words	3 Words
contact 7.42%	public void 2.4%	public void onclick 1.37%
view 7.19%	findviewbyid id 1.94%	void onclick view 1.14%
list 6.05%	contact 1.48%	setonclicklistener view onclicklistener 1.03%
onclick 3.88%	void onclick 1.37%	onclicklistener public void 0.91%
public 3.2%	setonclicklistener view 1.26%	onclick view arg0 0.91%

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