Courseltem

-imageURL: String -title: String

+getImageURL(): String

+setImageURL(String imageURL)

+getTitle(): String

+setTitle(String title)

CurrentCourse

-imageURL: String

-title: String

-teacherName: String

-unitTime: int

+getImageURL(): String

+setImageURL(String imageURL)

+getTitle(): String

+setTitle(String title)

+getTeacherName(): String

+setTeacheName(String teacherName)

+getUnitTime(): int

+setUnitTime(int unitTime)

DetailCourse

-score: int

-price: int

-description: String

-reviewList: ArrayList<Review>

+getScore(): int

+setScore(int score)

+getPrice(): int

+setPrice(int price)

+getDescription(): String +setDescription(String description)

+getReviewList(): ArrayList<Review>

+setReviewList(ArrayList)

DetailContest

-imageURL: String

-description: String -category: String

-register: String -criteria: String

-award: String

+getImageURL(): String

+setImageURL(String imageURL)

+getDescription(): String

+setDescription(String description)

+getCategory(): String

+setCategory(String category)

+getRegister(): String

+setRegister(String register)

+getCriteria(): String

+setCriteria(String criteria)

+getAward(): String

DetailProject

-description: String

-atendeeList: ArrayList<SimpleStudent>

-memberNum: int

+getDescription(): String

+setDescription(String description)

+getAtendeeList(): ArrayList<SimpleStudent>

+setAtendeeList(ArrayList atendeeList)

+getMemberNum(): int memberNum

+setMemberNum(int memberNum)

beans

Notice

-noticeKey: int

-userKey: int -ntTitle: String

-ntContents -nDate: Date

+getNoticeKey(): int

+setNoticeKey(int noticeKey)

+getUserKey(): int

+setUserKey(int userKey)

+getNtTitle(): String

+setNtTitle(String title) +getNtContents(): String

+setNtContents(String ntContents)

+getNDate(): Date

NoticeManager

-noticeKey: int

-isReaded: boolean

+getNoticeKey(): int

+setNoticeKey(int noticeKey)

+getIsReaded(): boolean

+setIsReaded(boolean isReaded)

Review

-score: int

-content: String -date: Date

+getScore(): int

+setScore(int score)

+getContent(): String

+setContent(String content)

+getDate(): Date

+setDate(Date date)

SimpleContest

-title: String

-organizer: String

-kind: String

-startTime: Date -endTime: Date

+getTitle(): String

+setTitle(String title)

+getOrganizer(): String

+setOrganizer(String organizer)

+getStartTime(): Date +setStartTime(Date startTime)

+getEndTime(): Date

+setEndTime(Date endTime)

SimpleCourse

-title: String

-teacherName: String

-category: String -unitTime: int

+getTitle(): String

+setTitle(String title)

+getTeacherName(): String

+setTeacherName(String teacherName)

+getCategory(): String +setCategory(String category)

+getUnitTime(): int

+setUnitTime(int unitTime)

SimpleStudent

-profileURL: String

-name: String

-category: String

+getProfileURL(): String

+setProfileURL(String profileURL)

+getName(): String

+setName(String name)

+getCategory(): String

+setCategory(String category)

SimpleTeacher

-imageURL: String -teacherName: String

-subject: String

+getTeacherName(): String

+setTeacherName(String teacherName)

+getImageURL(): String

+setImageURL(String imageURL)

+getSubject(): String +setSubject(String subject)

TeacherDetail

-courseList: ArrayList<SimpleCourse> -contestList: ArrayList<SimpleContest> -projectList: ArrayList<SimpleProject>

+getCourseList(): ArrayList<SimpleCourse>

+setCourseList(ArrayList courseList)

+getContestList(): ArrayList<SimpleContest>

+setContestList(ArrayList contestList)

+getProjectList(): ArrayList<SimpleProject>

+setProjectList(ArrayList projectList)

User

-userPW: String

-profileURL: String

-localTown: String

+getUserPW(): String

+setUserPW(String userPW)

+getUserName(): String

+getProfileURL(): String

+setProfileURL(String profileURL)

+setPhoneNumber(String phoneNumber)

+getLocalCity(): String

+getLocalTown(): String

+getLocalArea(): String +setLocalArea(String localArea)

+getUserStatus(): int

+setUserStatus(int userStatus)

-userID: String

-userName: String

-phoneNumber: String

-localCity: String

-localArea: String

-subject: String -userStatus: int

+getUserID(): String

+setUserID(String userID)

+setUserName(String userName)

+getPhoneNumber(): String

+setLocalCity(String localCity)

+setLocalTown(String localTown)

CourseManageActivity

-viewPager: ViewPager-tabLayout: TabLayout

#onCreate(Bundle savedInstance)

-init() -pagetInit()

-setCustomActionbar()

HomeActivity

-bottomNavigationEx: BottomNavigationEx -fragemnt: Fragment

-actionBar: ActionBar

#onCreate(Bundle savedInstance)

-setActionBar()

-loadFragment(Fragment fragment)

-setBottomNavigationView()

+onCreateOptionMenu(Menu menu): boolean

HomeWorkActivity

-actionBar: ActionBar -viewPager: ViewPager -tabLayout: TabLayout

-init()

-pagetInit()

-setCustomActionbar()

AcountAdvancementActivity

-subjectName: EditText -category: Spinner -unitTime: Spinner -request: EditText -actionBar: ActionBar

#onCreate(Bundle savedInstance)
-init()

-setSpinner() +apply(View view) +setCustomActionbar()

CalendarActivity

-listView: ListView
-itemList: ArrayList<SimpleCourse>

-tabLayout: TabLayout -scrollView: ScrollView

#onCreate(Bundle savedInstance)
+setTabLavout()

ContestManagementActivity

-viewPager: ViewPager -tabLavout: TabLavout

#onCreate(Bundle savedInstance)

-init() -pagetInit()

-setCustomActionbar()

LoginActivity

-forgot: TextView

#onCreate(Bundle savedInstance)
+setCustomActionbar()
+login(View view)

MainActivity

#onCreate(Bundle savedInstance)
+goToSignIn(View view)
+goToSignUp(View view)

NoticeActivity

-viewPager: ViewPager-tabLayout: TabLayout

#onCreate(Bundle savedInstance)

-pagetInit()
-setCustomActionbar()

PasswordModifyActivity

#onCreate()

+setCustomActionbar() +modifyPassword(View view)

ProfileModifyActivity

-modifyPassword: TextView -modifyUser: TextView -requestUserPromotion: TextView -logout: TextView -resecession: TextView

#onCreate(Bundle savedInstance)

-setListener() +setCustomActionbar()

activities

ProjectActivity

-viewPager: ViewPager-tabLayout: TabLayout

#onCreate(Bundle savedInstance)
-init()

-pagetInit() -setCustomActionbar()

ProjectInformationActivity

-tabLayout: TabLayout -viewPager: ViewPager

#onCreate(Bundle savedInstance)

-init()
-setTabLayout()
-setViewPager()
-setCustomActionbar()

SelectActivity

-imageButton: ImageButton

#onCreate(Bundle savedInstance)
+goToTeacherSignUp(View view)
+goToStudentSignUp(View view)
+setCustomActionbar()

SignUpDegreeActivity

#onCreate(Bundle savedInstance)
-setCustomActionbar()
+back(View view)
+next(View view)

SignUpPortfolioActivity

#onCreate(Bundle savedInstance)
-setCustomActionbar()
+back(View view)
+finishSignUp(View view)

SignUpTermsAgreeActivity

-intent: Intent

#onCreate(Bundle savedInstance)
-setCustomActionbar()
+next(View view)
+goToDetail(View view)

SignUpTermsDetailActivity

+onCreate(Bundle savedInstance)
-setCustomActionbar()

StudentSignupActivity

-citySpinner: Spinner -districtSpinner: Spinner -townSpinner: Spinner -subjectSpinner: Spinner -cityList: ArrayList<String> -districtSpinner: ArrayList<String> -townList: ArrayList<String> -subjectList: ArrayList<String>

#onCreate(Bundle savedInstance)
-init()
-setDummyDate()

-setDummyData()
-setSpinner()
+next(View view)
-setCustomActionbar()

TeacherSignUpActivity

#onCreate(Bundle savedInstance)
+back(View view)
+next(View view)
-setCustomActionbar()

UserModifyActivity

-citySpinner: Spinner -districtSpinner: Spinner -townSpinner: Spinner -subjectSpinner: Spinner -cityList: List<String> -districtList: List<String> -townList: List<String> -subjectList: List<String>

#onCreate(Bundle savedInstance)
-init()
-setDummyData()
-setSpinner()
+modifyUser(View view)
+setCustomActionbar()

adapters

ContestPagerAdapter ~numOfTab: final int ~tabName +getItem(int position): Fragment +getCount(): int +getPageTitle(): charSequence

ContestRecyclerAdapter -context: Context +onCreateViewHolder(ViewGroup parent, int viewType): ViewHolder +onBindViewHolder(ViewHolder holder, int position) +getItemCount(): int

| HomeAdapter |
|---|
| -tabNames: ArrayList <string> -numberOfTabs: int</string> |
| +getItem(int position): Fragment +getCount(): int |

| HomeWorkPagerAdapter | |
|---|--|
| -numberOfTabs: int -tabName: ArrayList <string></string> | |
| +getItem(int position): Fragment +getCount(): int +getPageTitle(int position): CharSequence | |

ImageSliderAdpater

| | ontext: Context nageUri: String[] |
|----------|---|
| +i +i | getcount(): int sViewFromObject(View view, Object object): boolean nstantiateltem(ViewGroup container, int i): Object lestroyItem(ViewGroup container, int i, Object ob) |

| SimpleTeacherAdapter |
|---|
| -listViewItem: ArrayList <simpleteacher> -context: Context -srsc: int</simpleteacher> |
| +getCount(): int +getItem(int position): SimpleTeacher |

| +getItemId(int position): long +getView(int position, View convertView, ViewGroup parent): View | , |
|--|---|
| +getview(int position, view convertview, vieworoup parent). view | v |
| | |

| LectureAdapter |
|--|
| -context: Context |
| -item: ArrayList <currentcourse></currentcourse> |

| onCreateViewHolder(ViewGroup parent, int viewType): LectureViewHolder |
|---|
| onCreateViewHolder(LectureViewHolder holder, int postion) |
| getItemCount(): int |

| LectureManagementAdapter |
|--|
| -numOfTabs: final int -tabName: ArrayList <string></string> |
| +getItem(int position): Fragment +getCount(): int +getPagerTitle(): CharSequence |
| |

| LectureViewHolder |
|---|
| -imageView: ImageVlew -title: TextView -teacherName: TextView -unit: TextView |
| +getImageView(): ImageView +setImageView(ImageView imageView) +getTitle(): TextView +setTitle(TextView title) +getTeacherName(): TextView +setTeacherName(TextView teacherName) +getUnit(): TextView +setUnit(TextView imageView(): TextView +setUnit(TextView(): TextView(): |

| LectureManagementRecyclerAdapter |
|---|
| -view: View -context: Context -idx: int |
| +onCreateViewHolder(ViewGroup parent, int viewType): ViewHolder +onBindViewHolder(ViewHolder holder, int position) +getItemCount(): int |
| |

| | SpinnerAdapter |
|--|--|
| -context: Context -resource: int -list: List <string></string> | |
| +isEnabled(int position): boole +getDropDownView(int positio | an n, View convertView, ViewGroup parent): View |

| NoticePagerAdapter |
|---|
| -numOfTab: final int -tabName: final ArrayList <string></string> |
| +getItem(int position): Fragment +getCount(): int +getPageTitle(int position): CharSequence |

| -view: View -context: Context |
|---|
| +onCreateViewHolder(ViewGroup parent, int viewType): ViewHolder +onBindViewHolder(ViewHolder holder, int position) +getItemCount(): int |

NoticeRecyclerAdapter

| PageAdapter |
|---|
| -manager: FragmentManager -tabNames: ArrayList <string> -numberOfTabs: int -fragment Fragment -number: int</string> |
| +getItem(int position): Fragment +getCount(): int |

| ProjectAdapter |
|----------------------------------|
| |
| +getItem(int position): Fragment |
| +getCount(): int |

| ProjectPagerAdapter |
|---|
| -numberOftab: int -tabName: ArrayList <string></string> |
| +getItem(int position): Fragment +getCount(): int +getPageTitle(int position): CharSequence |

| ProjectRecyclerAdapter |
|---|
| -view: View -context: Context |
| +onCreateViewHolder(ViewGroup parent, int viewType): ViewHolder +onBindViewHolder(ViewHolder holder, int position) +getItemCount(): int |

| RecyclerItemAdapter |
|---|
| -context: Context -courseItem: List <courseitem></courseitem> |
| HonCreateViewHolder(ViewGroup parent, int viewType): RecyclerViewHolder HonBindViewHolder(RecyclerViewHolder holder, int position) HgetItemCount(): int |
| |
| PacyclerViewHolder |

| RecyclerViewHolder |
|--|
| -imageView: ImageView -title: TextView |
| +getImageView(): ImageView +setImageView(ImageView imageView) +getTitle(): TextView +setTitle(TextView title) |

| SimpleCourseAdapter |
|---|
| -simpleCourseList: ArrayList <simplecourse> -context: Context -resource: int</simplecourse> |
| +getCount(): int |

| rgetcount(). Int |
|--|
| +getItem(int position): SimpleCourse |
| +getItemId(int position): long |
| +getView(int position, View convertView, ViewGroup parent): View |

| SimpleStudentAdapter |
|---|
| -listViewItem: ArrayList <simplestudent> -context: Context -srsc: int</simplestudent> |
| +getCount(): int |

| +gentem(int position): SimpleStudent |
|--|
| +getItemId(int position): long |
| +getView(int position, View convertView, ViewGroup parent); View |

ContestCreateFragment

-view: View

-recyclerView: RecyclerView

+onCreateView(LayoutInflater inflater, ViewGroup container, Bundle savedInstance): View-init()

-recyclerInit()

+newInstance(): ContestCreateFragment

ContestJoinFragment

-view: Viev

-recyclerView: RecyclerView

+onCreateView(LayoutInflater inflater, ViewGroup container, Bundle savedInstance): View-init()

-recyclerInit()

+newInstance(): ContstJoinFragment

CurrentLectureFragment

~lectureRecyclerView: RecyclerView

-subject

+onCreateView(LayoutInflater inflater, ViewGroup container, Bunlde savedInstance): View +setRecyclerView(RecyclerView recyclerView)

DescriptionFragment

+onCreateView(LayoutInflater inflater, ViewGroup container, Bunle savedInstance): View

HomeFragment

-view: View

~tabLayout: TabLayout -tabNames: ArratList<String>

-fragment: Fragment

-position: int

+onCreateView(LayoutInflater inflater, ViewGroup container, Bundle savedInstance): View -qetAdatper(): FragmentStatePagerAdapter

-getAdatper(): Fragme -setTabLavout()

-loadTabName()

-setViewPager(FragmentStatePagerAdapter adapter)

NoticeNotReadFragment

-view: View

-recyclerView: RecyclerView

+onCreateView(LayoutInflate inflater, ViewGroup container, Bundle savedInstanceState): View-recyclerInit()

-init() +newInstance(): NoticeNotReadFragment

NoticeReadFragment

-view: View

-recyclerView: RecyclerView

+onCreateView(LayoutInflater inflater, ViewGroup container, Bundle savedInstanceState): View-initfl

-recyclerInit()

+newInstance(): NoticeReadFragment

fragments

HomeMainFragment

-moreText1: TextView -moreText2: TextView -moreText3: TextView -listView: ListView

-adapter: SimpleTeacgerAdapter -recyclerView1: RecyclerView -recyclerView2: RecyclerView -homeImagePager: ViewPager

-homeImageAdapter: ImageSliderAdpater -homePagerIndicator: CircleIndicator

-testUri: String[]

+onCreateView(LayoutInflater inflater, ViewGroup container, Bundle savedInstance): View

-initImageSlider() +setListView()

+setRecyclerView(RecyclerView recyclerView)

HomeSubjectFragment

-moreText1: TextView -moreText2: TextView -recycler1: RecyclerView -recycler2: RecyclerView

-subjectText: TextView -title: String

+onCreateView(LayoutInflater inflater, ViewGroup container, Bundle savedInstanceState): View +setRecyclerView(RecyclerView recyclerView)

HomeWorkNotSubmitFragment

-view: View

-recyclerView: RecyclerView

+onCreateView(LayoutInflater inflater, ViewGroup container, Bundle savedInstanceState): View -init()

-recyclerInit()

+newInstance(): HomeWorkNotSubmitFragment

ProfileFragment

-view: View -notice_btn: Button

-course_btn: Button -contest btn: Button

-project_btn: Button -profile modify btn: Button

+onCreateView(LayoutInflater inflater, ViewGroup container, Bundle savedInstanceState): View -init()

-setListener()

ProjectCreateFragment

-view: View

-recyclerView: RecyclerView

+onCreateView(LayoutInflater inflater, ViewGroup parent, Bundle savedInstanceState): View -init()

-recyclerInit()

+newInstance(): ProjectCreateFragment

TeamMemberFragment

-listView: ListView

-view: View

-adapter: SimpleStudentAdapter

+onCreateView(LayoutInflater inflater, ViewGroup container, Bundle savedInstanceState): View-init()

-setListView()

HomeWorkSubmitFragment

-view: View

-recyclerView: RecyclerView

+onCreateView(LayoutInflater inflater, ViewGroup container, Bundle savedInstanceState): View -init()

-recyclerInit()

+newInstance(): HomeWorkSubmitFragment

LectureApplyFragment

-view: View

-recyclerView: RecyclerView

-PAGE_NUM: final int

+onCreateView(LayoutInflater inflater, ViewGroup container, Bundle savedInstanceState): View -init()

-recyclerInit()

+newInstance(): LectureApplyFragment

LectureDuringFragment

-view: View

-recyclerView: RecyclerView

-PAGE_NUM: final int

+onCreateView(LayoutInflater inflater, ViewGroup container, Bundle savedInstanceState): View -recyclerInit()

+newInstance(): LectureDuringFragment

-init()

LectureEndFragment

-view: View-recyclerView: RecyclerView

-PAGE NUM: final int

+onCreateView(LayoutInflater inflater, ViewGroup container, Bundle savedInstanceState): View -init()

-recyclerInit()

+newInstance(): LectureEndFragment

ProjectJoinFragment

-view: View

-recyclerView: RecyclerView

+onCreateView(LayoutInflater inflater, ViewGroup container, Bundle savedInstanceState): View -init()

-recyclerInit()

+newInstance(): ProjectJoinFragment

TeacherFragment

-moreText: TextView -listView: ListView

-simpleTeacherAdapter: SimpleTeacherAdapter

-subjectText: TextView

-subject: String

+onCreateView(LayoutInflater inflater, ViewGroup container, Bundle savedInstanceState) +setListView()

Model::factories

factories

FragmentFactory

-ourIntance: final FragmentFactory

+getInstance(): FragmentFactory

+getFragment(int position, String subject)

Model::fcmServices

fcmServices

RivatorFirebaseInstanceIDService

-TAG: final String

+onTokenRefresh()

RivatorFirebaseMessagingService

-TAG: final String

+onMessageReceived(RemoteMessage remoteMessage)

-sendNotification(String messageBody, String title)

utills

ActionBarCustomUtill

-actionBar: ActionBar -context: Context -layout: int

+setCustomActionbar()

+setActionBarElevation(int size)

RecyclerClickListenerUtil

-mListener: OnItemClickListener ~gestureDetector: GestureDetector

+onInterceptTouchEvent(RecyclerView rv, MotionEvent e): boolean +onTouchEvent(RecyclerView rv, MotiionEvent e)

+onRequestDisallowInterceptTouchEvent(boolean disallowIntercept)

SnackBarUtill

+makeSnackBar(View view, String text, int length)