1、初始化sdk

```
-(void)registerSDKWithAppID:(NSString *)appID AppKey:(NSString *)appKey result:
(YMTBigClassRoomRegisterResult)result;
```

- appId:业务后台分配
- appKey:业务后台分配
- result:结果回调

2、 登录

```
-(void)loginRoomWithRoomID:(NSString*)roomID userID:(NSString *)userID result:
(YMTBigClassRoomLoginRoomResult)result;
```

- roomId:房间ID
- userId:用户ID
- result:结果回调
- 说明，调用login 触发onLogin,获取YiMiToken

3、加入教室

```
- (void)joinCloudRoomWithRoomID:(NSString *)roomID userID:(NSString *)userID
token:(NSString *)yimiToken userRole:(NSUInteger)role nickName:(NSString
*)nickName bussinessData:(NSString *)bussinessData result:
(YMTBigClassRoomJoinRoomResult)result;
```

- roomId:房间ID
- userId:用户ID
- userRole:1=老师、2=学生 3=班主任
- nickName:用户昵称或者名字
- YiMIToken:登录获取的token
- bussinessData：自定义业务json数据
- result：onJoinCloudRoom 回调

4、退出教室

```
- (void)leaveCloudRoom:(YMTBigClassRoomLevelRoomResult)result;
```

- 离开教室
- result：leaveCloudRoom 回调

5 、房间销毁

```
- (void)destroy;
```
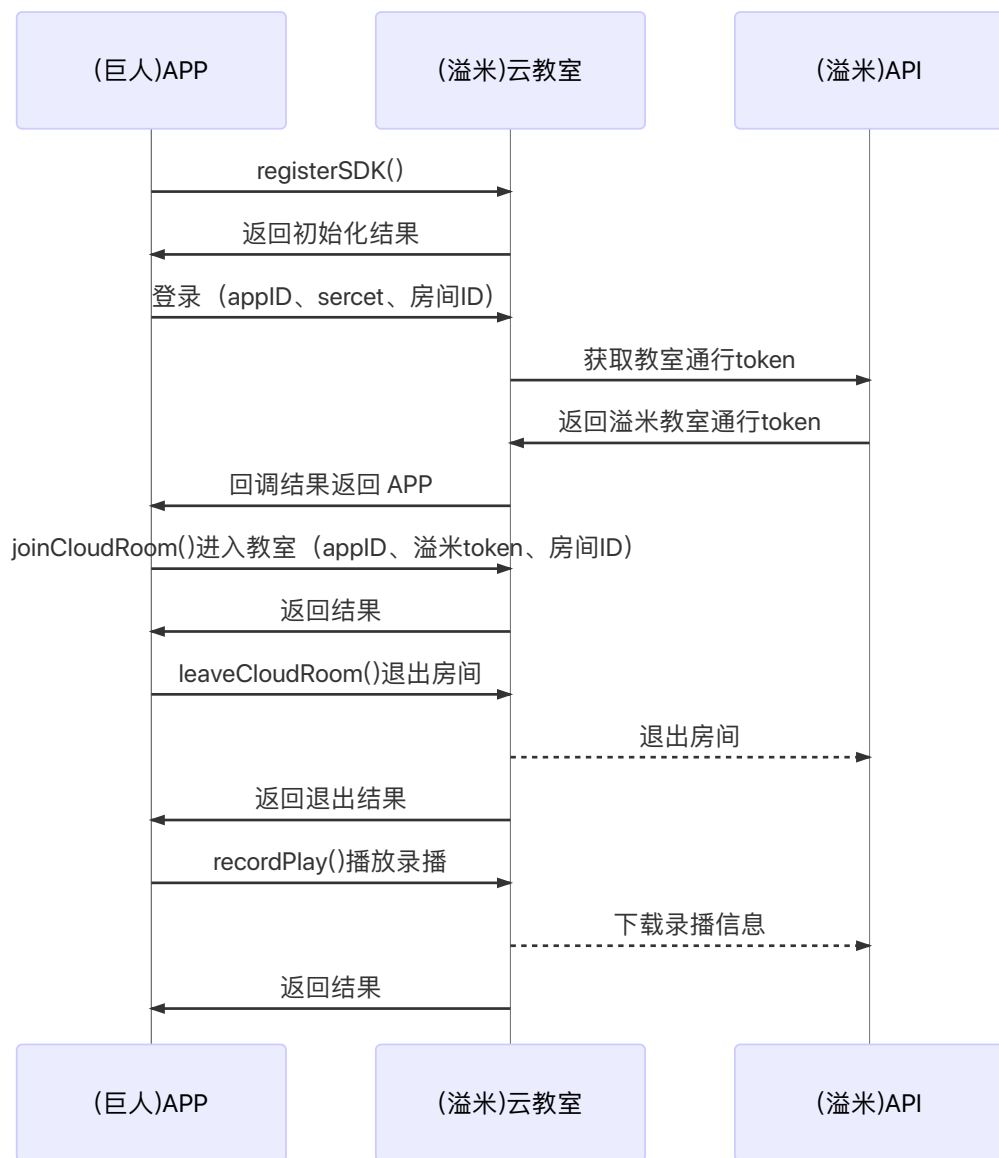
- 释放和教室相关的信息

6、录播回放

```
- (void)recordPlayToken:(NSString *)YiMiToken roomID:(NSString *)roomId;
```

- YiMiToken：登录返回的token
- roomId:房间Id

教室相关回调

```
typedef void(^YMTBigClassRoomRegisterResult)(BOOL success, YMTRoomInfoCode code);

typedef void(^YMTBigClassRoomLoginRoomResult)(BOOL success, YMTRoomInfoCode code);

typedef void(^YMTBigClassRoomJoinRoomResult)(BOOL success, YMTRoomInfoCode code);

typedef void(^YMTBigClassRoomLevelRoomResult)(BOOL success, YMTRoomInfoCode code);
```

云教室交互流程

云教室错误码定义

YMTRoomInfoCode:错误定义

```objc
typedef NS_ENUM(NSUInteger, YMTRoomInfoCode) {
    /**
     * 成功
     */
    YMTRoomInfoCodeSuccess,
    /**
     * 登录失败
     */
    YMTRoomInfoCodeLoginFailed = 100,
    /**
     * 进入房间失败
     */
    YMTRoomInfoCodeJoinRoomFailed = 101,
    /**
     * 房间秘钥错误
     */
    YMTRoomInfoCodeRoomSecretError = 102,
    /**
     * token 失效
     */
    YMTRoomInfoCodeTokenInvalid = 201,
    /**
     * 录播文件下载失败
     */
    YMTRoomInfoCodeRecord_File_Download_Failed = 301
};
```