draft: work in progress

[parrot suit proposal]

One pager specification

# Executive Summary

## Background

The [Alliance Francaise](http://en.wikipedia.org/wiki/Alliance_Fran%C3%A7aise) (AF) is an international organization that aims to promote [French language](http://en.wikipedia.org/wiki/French_language) and[culture](http://en.wikipedia.org/wiki/French_culture) around the world. Created in Paris on 21 July 1883, its primary concern is teaching French as a [second language](http://en.wikipedia.org/wiki/Second_language) and is headquartered in [Paris](http://en.wikipedia.org/wiki/Paris).[[1]](http://en.wikipedia.org/wiki/Alliance_Fran%C3%A7aise#cite_note-1) In 2014, the Alliance has 850 centers in 137 countries, on all five continents.[[2]](http://en.wikipedia.org/wiki/Alliance_Fran%C3%A7aise#cite_note-2)

In AF de Shanghai, students are mostly university students or employees. They go to AF to learn French at their spare time.

* Each semester lasts 4 months, and cost 3000 rmb
* Students can enter into next level if he passes the exam at the end of semester. Exam is composed of 2 sections: written 笔试and oral 口试. Written exam has 3 sections: listening (听力), reading (阅读)，writing (写作)。Oral exam is performed as conversation.
* There are 10 levels for general courses.

**Pain point:** Students meet teachers during class time. For example, A1.1 class happens once a week at Saturday afternoon during 5 hours. At the end of a semester, an exam will be hold to test students learning skill. From a survey, 7 of 8 students ask teacher to share exercise materials and historical exam thru Email. These materials are available from AF server Yunio (e.g. <https://s.yunio.com/V5Jpia>), which are shared at the beginning of semester thru email. However students need to type specific URL manually in a browser to download and unzip materials. From teacher perspective, they have a need to understand the results after one course such as how well his students have acquired lessons taught. They are interested to know pain points of his students, thus they can provide timely explanation during class.

## Proposal

We will re-design exercises sharing experience between teachers and students to:

* Facilitate students access to exercises materials: # download compared to Yunio, #students perform exercises
* Increase students confidence to pass exam: participate # =>
* Increase students exam notes: =>

We adopt Webview solution to support various phone devices at the moment.

We will develop a learning assistant app for AF teachers by breaking down into 4 components. We might cover Messaging in another spec. We will have one version to cover Teachers persona, and the other version to cover Students persona.

There are 3 roles involved in the scenarios:

* Teachers
  + Prepare and give courses at class
  + Create new exercises based on need
  + Assign exercises to students off class thru email/Baidu Yun
  + Correct answers sent from students thru email.
* Students
  + Participate class upon school schedule
  + Off class, perform exercises assigned by teacher
* Institute (optional)
  + Classes and courses management
  + Teachers and staffing management
  + Students management (e.g. enrollment, notification, etc.)
  + Assign teachers and students to related classes

# Parrot suite structure

Parrot suite will be composed of 3 applications:

* Students module (mobile browser or app)
* Teachers module (mobile browser or app)
* Admin tool (PC browser)

## Student module (mobile)

Student module contains below components. The platform targeted is mobile (browser or app).

## Teacher module (mobile)

Teacher module targets teachers, and a teacher can only see data related to his classes and students. The platform targeted is Mobile (browser or app).

## Admin tool (PC)

Admin tool is designed for institute to manager teachers, students, exercises, Q&A, etc. Admin tool can access to the data of all teachers and students in the school. The platform targeted is PC (browser only).

Below table compares the high-level gap between teacher module and Admin tool

|  |  |  |
| --- | --- | --- |
| Features | Teacher | Admin tool |
| Classes management | Assign students to his own classes  Edit his own classes (auto-approve or not) | Create new classes  Delete classes  Edit classes  Assign students to classes  Assign teachers to classes |
| User management | Edit his own personal info | Add/edit/delete teachers  Add/edit/delete students |
| Exercises management | Add/edit/delete exercises related to his own classes | Add/edit/delete exercises related to all classes |
| Q&A management | Add/edit/delete Q&A (related to his own classes???) | Add/edit/delete Q&A |
| Reporting | Access to his own classes and students reports | Access to all classes and students reports |

# Scenario Goals & Non-Goals

## Goals for Admin tool (PC)

## Following are goals for institute administrator persona. A teacher can play a role as administrator as well. Definition of priority are: Pri1 must have, priority2 nice to have, and Priority 3 ok to cut.

|  |  |
| --- | --- |
| Goals for Admin tool | Priority |
| Admin can sign in with email account or phone # registered at AF, and set a password | 1 |
| Admin can edit his profile info (password, display name, email, etc.) registered at AF | 2 |
| Admin can create/edit/delete a group for exercises or exams.   * One group of exercise refers to a course level * One group of exams refers to a final exam at AF as level assessment | 1 |
| Admin can bulk upload several exercises to a group from PC (or other approach such as 摄像功能，自动识别相片中的文字，然后手动编辑?) | 2 |
| Admin can upload one exercise to a group from PC (or other approach such as 摄像功能，自动识别相片中的文字，然后手动编辑?) | 1 |
| Admin can select exercises within a group to distribute to his students | 1 |
| Admin can select groups of exercises to distribute to his students | 2 |
| Admin can upload one exam | 1 |
| Admin can bulk upload exams | 2 |
| Admin can see statistic data about students participation | 1 |
| Admin can see statistic data about exercise scores | 1 |
| Admin can modify an exercise | 1 |
| Admin can delete exercises from a group | 2 |
| Admin can receive an offline message with a specific exercise attached from student | 2 |
| Admin can reply back to one student as private message | 2 |
| Admin can forward a message to another student | 2 |
| Admin can forward a message to all students | 2 |
| Admin can select if students can see correct answers after completing whole series or not | 2 |
| Admin can receive a general message without attachment from student | 3 |
| Admin can save his comment to a given exercise | 3 |
| Admin can randomly generate pseudo-exams 模拟考卷 from existing historical exams | 2 |
| Admin can recall back exercises distributed to students | 2 |
| Admin can use scanner or camera to upload exercises (to be covered in Auto-upload spec) | 2 |

## Goals for Teachers module (mobile)

## Goals for Students module (mobile)

Following are goals for student persona. Definition of priority are: Pri1 must have, priority2 nice to have, and Priority 3 ok to cut.

|  |  |
| --- | --- |
| Goals for Students | Priority |
| Student can sign in with his email account or phone # registered at AF, and set a password | 1 |
| Student can edit his profile info registered at AF | 2 |
| Student can select an exercise group or a historical exam to do | 1 |
| Student can see which exercises he has completed within a group (historical exercises) | 2 |
| Student can see which exercises he has not yet completed within a group | 1 |
| Student can see highlights on new exercises distributed from teacher | 1 |
| Student can get push notification at his mobile with new exercises | 2 |
| Student can answer exercises easily on the phone (with less gestures) | 1 |
| Student can answer exercises easily on Tablet (or the app will zoom on tablet) | 2 |
| Student can see his score after completing a group of exercises | 1 |
| Student can re-play exercises from beginning??? | 2 |
| Student can resume exercises | 1 |
| Student exercise status can roam to another device | 3 |
| Student can send questions related to an exercise to teacher thru message (to be covered in Messaging spec?) | 2 |
| Student can send a message to teacher (to be covered in Notification spec) | 3 |
| Student can export exercises (to PDF, Word, then to print these exercises out)   * Need to clarify in use of term that these exercises should not be used for business purpose | 3 |
| Student can see how long time he takes to complete a series of exercise | 3 |
| Student can save exercises to favorite | 3 |

## Non-Goals

|  |  |
| --- | --- |
| Non-Goals | Comment |
| Students non registered at the institute | We do not target public students, only students registered at AF. |
| Oral exercise (口语) | We will look into this scenario later. Need Audio/video |
| Written exercise (写作题) | We will look into this scenario later. |
| Distribute course record thru Video format | To be considered later, in another spec. |
| Messaging | To be covered in another Spec? |
| Real time 1:1 course between teacher and student | To be considered later, in another spec |
| Non-Android platform | To be considered later based on market share |
| Contacts | To be covered in Contacts spec |
| Advanced exercises (e.g. group assignment) | To be covered in another spec |

# DOCUMENT UPDATE HISTORY

|  |  |  |
| --- | --- | --- |
| Date | Author | Changes |
| 8/15/2014 | Fei Wu | First Draft of one pager |
| 8/30/2014 | Fei Wu | Initial Review of scenarios, goals and non-goals complete |
| 9/22/2014 | Fei Wu | High level requirement review complete |
| 9/10/2014 | Fei Wu | Add general metrics |

appendix

# Definitions & Acronyms

# References

# Feature Q&A / Decisions

# Appendix (Deleted content that may be of use later)