

# 红黑树课堂

— 专业的海外IT辅导机构 —



扫码添加小助手  
获取更多内容



扫码关注B站  
了解更多课程

## 本节班课内容

---

- 评分标准 及 **Proposal** 样式
- 开发准备

R / B / T / E / D / U

# Project Proposal

- sample document
- 按照评分标准完成每个部分
- 注意细节

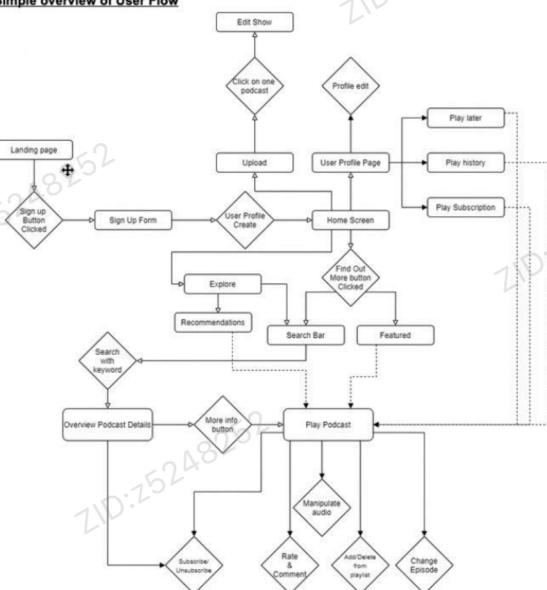
R / B / T / E / D / U

# Description of functionality – user flow

Layer Breakdown and Technologies
Presentation Layer
Business Layer
Data Layer
Design of functionalities
Logo
Project Objectives
<b>Description of functionality</b>
f.1 Landing Page
f.2 Sign-up process
f.3 Login Page
f.4 Explore page
f.4.1 Recommendation
f.4.2 Search
f.5 Profile Page
f.5.1 Subscription
f.5.2 History
f.5.3 Play Later
f.5.4 Notification
f.6 Podcast search result
f.7 Podcast Play
f.7.1 Rate
f.7.2 Podcast comments
f.7.3 Play Audio

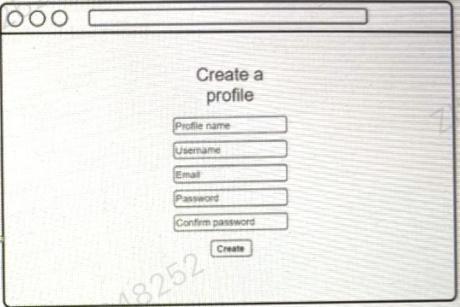
## Description of functionality

### Simple overview of User Flow



# User Stories

**User stories**  
Story 1.1: Create an account

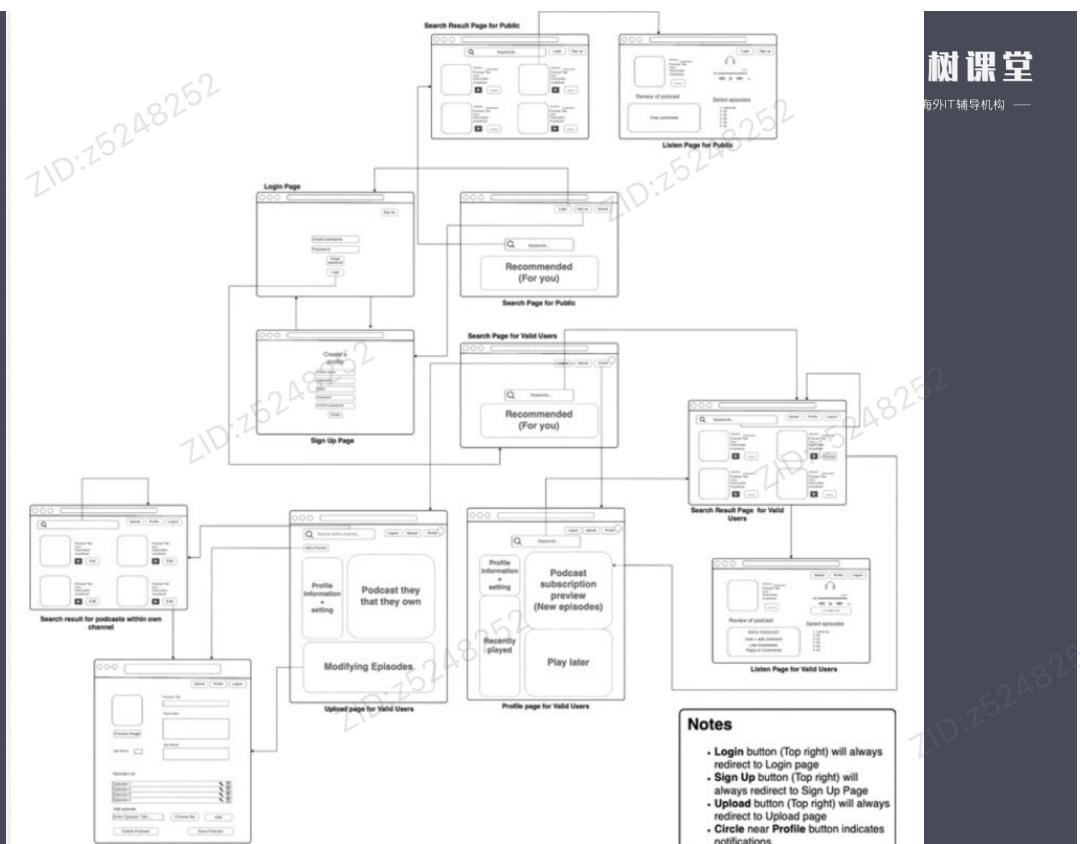


Name	Create an account
ID	US1.1
Estimate	1
Priority	High
<b>User Story</b>	
• As a user, I want to create an account so that I can have a personalised profile to explore different podcasts.	
<b>Acceptance Criteria</b>	
• A user is required to submit a profile name, username, email and password	
• An error message will be displayed if:	
◦ The username or email already exists	
◦ The passwords do not match	
• If an error has occurred, the user will be prompted to submit another form	
• If the details are valid, the user will be redirected to the login page to login	
<b>Relation to Project Objectives</b>	
• A user profile is required in order to have access to subscription (PO4, PO5), notification (PO6), history list (PO7), and recommendation (PO8) features.	

红黑树课堂

— 专业的海外IT辅导机构 —

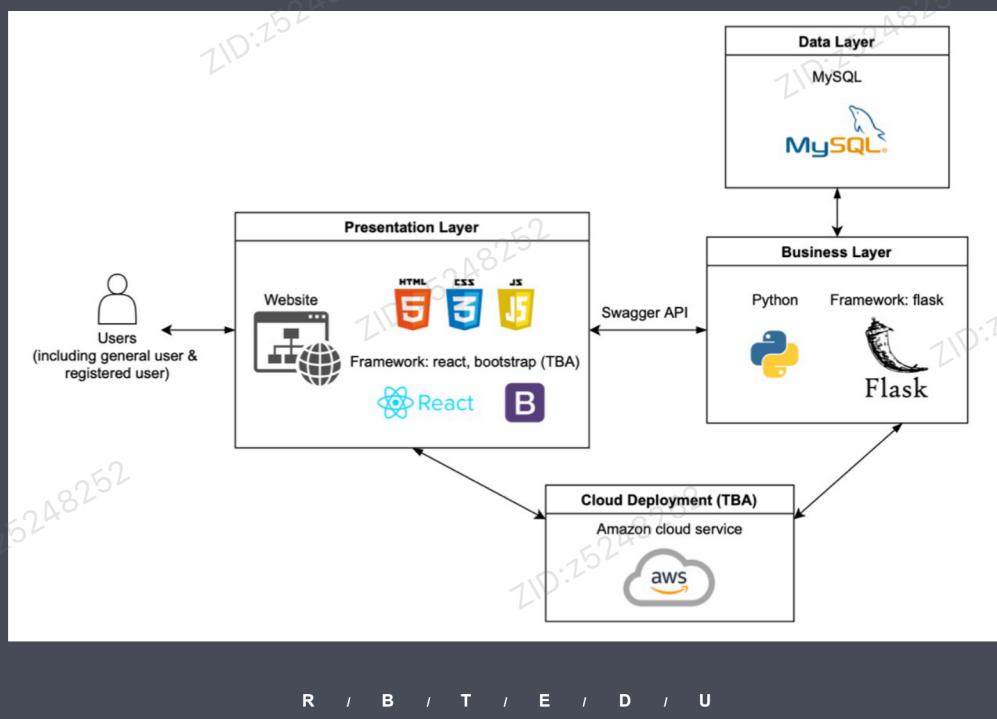
# Story board



树课堂

海外IT辅导机构

## Project Proposal – System Architecture



## 前端：框架选择

- HTML + CSS + JS (+ jQuery)
- 框架：
  - React / Vue – 需要有一点前端基础
  - Style: Material UI / Ant design / React-Bootstrap / Styled-components

选择自己擅长的，重点是实现功能



R / B / T / E / D / U

# 前端：编辑器/IDE 及 插件推荐

- VSCode / Sublime Text

- 插件 - 提升效率



R / B / T / E / D / U

# 前端：开发插件推荐 (VSCode)

- Auto Close Tag
- Auto Rename Tag
- Rainbow Brackets
- Code Spell Checker
- Tabnine AI Autocomplete for Javascript ...
- Git Graph
- GitLens — Git supercharged

R / B / T / E / D / U

# 前端：开发插件推荐（Chrome）

- Color picker
- JsonVue
- React Developer Tools
- Redux DevTools
- Vue.js devtools

R / B / T / E / D / U

## 开发必备：Git 操作

- 需要掌握一些基本的 Git 操作
- Git 教程：<https://geeeeeeeeek.github.io/git-recipes/>
- 在国内的同学可能会遇到的问题 **!!** : Git 443
  - 可能会碰见 clone / pull / push 项目失败的情况，如 git clone github.com/xxx.git failed
  - 可能存在的问题及可以尝试的方法（均在 terminal 中执行）：
    1. 地址问题：执行 networksetup -setv6off Wi-Fi
    2. 代理问题：执行 git config --global --unset http.proxy  
git config --global --unset https.proxy
  - 一次不行，多试几次



R / B / T / E / D / U

# 前端：开发环境 & Dependencies

在写代码前，需要：

- 浏览器（Chrome / FireFox）
- Node
  - 官网直接下载 Node 的 .pkg 包 / 利用 Homebrew 安装  
<https://nodejs.org/en/download/>
  - Npm -- Node.js 自带
- 脚手架：create-react-app
- 开发工具

R / B / T / E / D / U

## 前端：安装流程

- 使用 **create-react-app** 脚手架创建 react 项目

```
npm install -g create-react-app  
npx create-react-app my-app
```

- 安装项目依赖

```
cd my-app  
npm install @material-ui/core@4.12.3
```

- 切换环境：开发环境 / 生产环境

```
npm run build
```

R / B / T / E / D / U

# 前端：调试

- alert / console.log
- IDE
- Chrome DevTools
- React Developer Tools (extension)

R / B / T / E / D / U