HW1， Project Proposal

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1. **Description**

患者和医生需要及时和方便地相互沟通。而目前医患之间的面对面交流效率太低。iHealth 是一个提供医患之间线上沟通的平台。可以大大提高医生和患者沟通的效率。

1. **Motivation**

现阶段，医生和患者之间的沟通效率普遍较低，如果有一款能够提供患者和医生有效沟通的软件，在市场上将会有很大反响。

1. **Comparison with similar software**

现阶段，市面上有春雨医生和丁香医生等这类医疗咨询APP。大部分都实现了和医生线上交流的功能，但都或多或少存在一些问题，比如说有些APP没有评价功能，有些没有保护用户隐私。

**4. Programming languages, libraries, frameworks, platforms**

采用语言：JAVA 。Java是安卓开发和系统后台的主流语言。

运行平台：Web，Android。

**5. Risks/Challenges**

1. 学习Java语言
2. 团队协作
3. 版本管理
4. 跨平台兼容

**6. User stories and iterations**

**Iteration 1**

| **actual** | **estimated** | **story description** |
| --- | --- | --- |
| **actual** | **estimated** | **story description** |
|  | 2 units | write a proposal |
|  | 4 units | form the team |
|  | 2 units | prepare for [Iteration 1](https://wiki.cites.illinois.edu/wiki/display/cs428sp15/Iteration+1) meeting |

**Iteration 2**

| **actual** | **estimated** | **story description** |
| --- | --- | --- |
| **actual** | **estimated** | **story description** |
|  | 5 units | user can create account |
|  | 10 units | user can export document to a file |
|  | 5 units | user can set their preferences |

**Iteration 3**

| **actual** | **estimated** | **story description** |
| --- | --- | --- |
|  | 5 units | User can keep up with their medical history and records |
|  | 10 units | user can communicate with their doctors |
|  | 5 units | user can selecting which doctors to be their primary caregiver |

**Iteration 4**

| **actual** | **estimated** | **story description** |
| --- | --- | --- |
|  | 5 units | Doctor can keep track of their patients |
|  | 10 units | Doctor can scheduling of office visits |
|  | 5 units | Doctor can ordering and viewing lab results |

**7. Meeting schedule**

每周6小时。

1. **Skill sets**

|  |  |  |
| --- | --- | --- |
| **iHealth App 组内分工** | | |
| **前端** | | **后端** |
| **Android 原生** | **H5 / JS** | **Web Java (DB)** |
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|  | 姜东 | 贾震 |

**9. Process**

我们用结对编程。

**10. Tools**

* Version Control git
* Project Management Redmine
* IDE Android Studio MyEclipse