Criterion B Designing

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| Time | Events | Other issues |
| Feb. to not later than Mar. 15th | Planning the recommendation program, including interviewing the client, learning the key knowledge, discussing with professionals, and so on. | The client’s requirements may change, which may delay the planning; the knowledge may be too difficult, which affects my planning and designing process |
| Mar. 15th to the start of April | Designing the program in flow charts, including information getter, text sentiments detector, music genre detector, user interface, database design, cloud database, remote update, and so on. I will interview the client throughout the designing process and increase performance of design iteratively | The specific details of some of the process might be too difficult, which will delay the designing |
| April to June | Developing the program following the flow charts, including writing codes and testing them individually | The programming may become harder than expected; |
| June to July | Test the program with sampled songs, including tests on music downloader, comments getter, music genre detectors, comment sentiments detectors, user interface, database | The detectors for either genre or sentiment may present high bias and high variance; |
| July | Implement the program to the client, provide user training, collect the client’s feed-back, and make plans for future improvement that comes up from the client’s feed-back | The client may not be satisfied with the program; |
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