1. **Business case (analysis and justification) Part 1:**

The small and medium-sized enterprises who need timely loans.

Now the small and medium-sized enterprises contribute 60% of the GDP, the expenditure of it will increase dramatically in the future, the trend of Market Volume of financing is still increasing steadily. However, the current process is not simple enough for SMEs to get timely loans.

1. **Business case (analysis and justification) Part 2:**

Deploying the website on the server which enable the website accessible requires funding, together with a domain name. Besides, the development of the project is full of the team members’ time and effort.

When it comes to “hard” benefits, the clients can get the most suitable plan which directly lead to financial benefit. For “soft” benefits, the clients will know its advantages and disadvantages which can enhance their future development.

1. **Complete the brief Project Abstract (~150 words) , the following items should be included:**

This project aims to provide a preliminary evaluation function of loan capacity for SMEs who are inclined to apply for loans, and make a preliminary judgement of loan capacity by receiving a series of SME’s own data to help them shorten the loan process. The SME loan market is expected to have a steadily growth in the future and the loan needs will continuous to grow. First, we need to use web crawler to get the data required. Second, recommendation algorithm is also an important challenge. How to make the product realistic is challenging as well. For middle and small companies, we will recommend the suitable financial project based on their own factors, which can enable these enterprises to move on. The final deliverable will be a web-based application which can provide the preliminary evaluation and suggestion for the SMEs who provide their own financial data.

1. **Selection of Team Project Manager and roles of non PM team members**

Chinese Name: Lixiao Yang

Role: Project Manager

Tasks:

1. The execution of the project including planning, communicating, organizing, recording during the whole developing process
2. Monitoring the developing process
3. Assist the developing process
4. Documenting developing process properly

Things to be learned:

1. Planning and team collaboration skills
2. Relevant financial knowledge
3. Relevant Python knowledge
4. Documentation skills

Chinese Name: Xinyue Zeng

Role: Data Analyst & Business Analyst

Tasks:

1. Data crawling
2. Data processing
3. Business analyze

Things to be learned:

1. Crawling data using Python
2. Data processing, wrangling, mining skills
3. Relevant financial knowledge
4. Business analyze skills

Chinese Name: Jiahe Xie

Role: Algorithm Engineer & Django Developer

Tasks:

1. Algorithm development
2. Backend framework development
3. Data visualization (May be implemented)

Things to be learned:

1. Data structure & Algorithm
2. Data visualization skills
3. Relevant Django knowledge

Chinese Name: Aoyu Liu

Role: Django Developer & Front-end Developer

Tasks:

1. Developing using Django
2. Assist the front-end development

Things to be learned:

1. Relevant Django knowledge
2. Front-end developing skills

Chinese Name: Huiru Chang

Role: UI Designer & Front-end Developer

Tasks:

1. UI design
2. Front-end development

Things to be learned:

1. Front-end skills (HTML, CSS, JavaScript, etc.)
2. Designing skills