Assumptions, Issues, and Fixes Documentation

# Assumptions

1. Django is the main framework for this backend project.  
2. Redis is configured for caching translations.  
3. Google Translate API (googletrans package) is used for translations.  
4. WYSIWYG support is enabled using django-ckeditor.  
5. Multi-language support includes Hindi and Bengali (by example).  
6. The database schema is designed as per the given requirements for storing FAQs and translations.  
7. All models, API endpoints, and translations are assumed to work seamlessly within the application.  
8. The API supports fetching FAQs in multiple languages via the 'lang' query parameter.  
9. The application uses the Redis cache for improved translation performance.  
10. The API performs pre-translation before returning the FAQs in different languages.

# Errors Encountered

1. Missing 'rest\_framework' module: This was resolved by installing the required Django Rest Framework package using the command:  
 pip install djangorestframework  
  
2. Missing 'django-ckeditor' module: This was resolved by installing django-ckeditor using the following command:  
 pip install django-ckeditor  
  
3. Caching mechanism issues: Redis configuration was not initially set up, which was resolved by configuring Redis on the Django settings file.  
 Redis was installed and configured with the following command:  
 pip install redis  
  
4. Google Translate API issues: Initially, there were issues with API responses, which were resolved by ensuring googletrans was properly configured.  
 pip install googletrans==4.0.0-rc1  
  
5. Syntax errors or configuration problems with the Django migrations were resolved by running migrations correctly.  
 python manage.py migrate

# Error Fixes

1. To resolve the missing 'rest\_framework' error:  
 pip install djangorestframework  
  
2. To resolve the missing 'django-ckeditor' error:  
 pip install django-ckeditor  
  
3. To resolve Redis issues for caching:  
 pip install redis  
  
4. To resolve issues with googletrans:  
 pip install googletrans==4.0.0-rc1  
  
5. Running Django migrations successfully:  
 python manage.py migrate

# Commands Used

1. Install Django Rest Framework: pip install djangorestframework  
2. Install django-ckeditor: pip install django-ckeditor  
3. Install Redis: pip install redis  
4. Install googletrans: pip install googletrans==4.0.0-rc1  
5. Run migrations: python manage.py migrate