Software Development Life Cycle

Doc: Version: 1.0

Document Classification: Internal

ADDRESS: OFFICE NO 1115,ASTRALIS SUPERNOVA PLOT NO 3
FLOOR NO 11, SECTOR 94 NOIDA GAUTAM BUDH NAGAR-201301, UTTAR PRADESH, INDIA, 201301
LLP IDENTIFICATION NUMBER: AAM-6165 (2018-19)

Document Control

Document Name	Besseggen SDLC
Abstract	This document describes the SDLC at Besseggen Infotech LLP.
Security Classification	Internal
Location	SECTOR-94, NOIDA, GAUTAM BUDH NAGAR-201301

Authorization		
Document Owner	Reviewed by	Authorised by
IT Team	Head – IT	Head – IT

Amendment Log				
Version	Modification Date	Section	A/M/D	Brief description of change
1.0	18 APR 2022	ALL	A	Final

Distribution list
Chief Information Security Officer (CISO)
Auditors (Internal & External)
All users,committee at Besseggen Infotech LLP.

ADDRESS: OFFICE NO 1115,ASTRALIS SUPERNOVA PLOT NO 3
FLOOR NO 11, SECTOR 94 NOIDA GAUTAM BUDH NAGAR-201301, UTTAR PRADESH, INDIA, 201301
LLP IDENTIFICATION NUMBER: AAM-6165 (2018-19)

TABLE OF CONTENTS

ADDRESS: OFFICE NO 1115,ASTRALIS SUPERNOVA PLOT NO 3
FLOOR NO 11, SECTOR 94 NOIDA GAUTAM BUDH NAGAR-201301, UTTAR PRADESH, INDIA, 201301
LLP IDENTIFICATION NUMBER: AAM-6165 (2018-19)

1. Introduction:

- **Overview**: This document outlines the Software Development Life Cycle (SDLC) process followed by Besseggen Infotech, a proprietary algorithmic trading firm.
- **Purpose**: The purpose of this SDLC is to ensure efficient and systematic software development practices that align with our business objectives and regulatory requirements.

2. SDLC Phases

Our SDLC consists of the following phases:

- **Requirements Gathering:**
  - Define clear objectives, constraints, and success criteria for each project.
  - Engage with stakeholders to gather and document functional and non-functional requirements.

- **System Design:**
  - Translate requirements into a detailed system design.
  - Define the system architecture, modules, and interfaces.
  - Document design specifications and data flow diagrams.

- **Development:**
  - Implement the system design using appropriate programming languages and frameworks.
  - Follow coding standards and best practices.
  - Conduct unit testing and code reviews to ensure code quality.

- **Testing:**
  - Develop test cases based on requirements and design specifications.
  - Perform different types of testing, including functional, integration, performance, and security testing.

ADDRESS: OFFICE NO 1115,ASTRALIS SUPERNOVA PLOT NO 3
FLOOR NO 11, SECTOR 94 NOIDA GAUTAM BUDH NAGAR-201301, UTTAR PRADESH, INDIA, 201301
LLP IDENTIFICATION NUMBER: AAM-6165 (2018-19)

- Document test results and track issues using a suitable defect tracking system.

- **Deployment:**
  - Prepare the software for deployment in the production environment.
  - Conduct user acceptance testing (UAT) and obtain necessary approvals.
  - Coordinate with IT operations for seamless deployment.

- **Maintenance and Support:**
  - Provide ongoing support and maintenance for the deployed software.
  - Track and resolve reported issues in a timely manner.
  - Apply necessary patches, upgrades, and enhancements as required.

3. Documentation and Version Control:

- Maintain comprehensive documentation for each project, including requirements, design, test cases, and user manuals.
- Use a version control system to manage source code and track changes.

4. Security and Compliance:

- Implement robust security measures to protect sensitive data and trading strategies.
- Ensure compliance with relevant regulations and industry standards, such as GDPR and SEC guidelines.

ADDRESS: OFFICE NO 1115,ASTRALIS SUPERNOVA PLOT NO 3
FLOOR NO 11, SECTOR 94 NOIDA GAUTAM BUDH NAGAR-201301, UTTAR PRADESH, INDIA, 201301
LLP IDENTIFICATION NUMBER: AAM-6165 (2018-19)

5. Change Management:

- Establish a change management process to handle modifications to the software or its environment.
- Conduct impact analysis, obtain necessary approvals, and communicate changes to stakeholders.

6. Project Management:

- Follow an agile or iterative project management approach to foster collaboration, adaptability, and continuous improvement.
- Utilize project management tools to track progress, assign tasks, and monitor milestones.

7. Quality Assurance:

- Implement quality assurance processes to ensure that software meets the defined standards and requirements.
- Conduct regular code reviews, testing, and quality audits.

8. Training and Documentation:

- Provide training sessions and documentation to educate users on software functionality and usage.
- Keep user manuals and system documentation up to date.

9. Performance Monitoring:

- Implement monitoring and logging mechanisms to track system

ADDRESS: OFFICE NO 1115,ASTRALIS SUPERNOVA PLOT NO 3
FLOOR NO 11, SECTOR 94 NOIDA GAUTAM BUDH NAGAR-201301, UTTAR PRADESH, INDIA, 201301
LLP IDENTIFICATION NUMBER: AAM-6165 (2018-19)

performance and identify bottlenecks.
- Conduct periodic performance evaluations and take proactive measures for optimization.

10. Risk Management:

- Identify potential risks and develop risk mitigation strategies.
- Regularly review and update risk assessments.

11. Continuous Improvement:

- Encourage feedback from users and stakeholders to identify areas for improvement.
- Conduct retrospectives to evaluate project outcomes and implement lessons learned.

This SDLC document serves as a guide for software development practices at Besseggen Infotech. It is subject to periodic review and updates to ensure it remains aligned with evolving business needs and industry standards.

ADDRESS: OFFICE NO 1115,ASTRALIS SUPERNOVA PLOT NO 3
FLOOR NO 11, SECTOR 94 NOIDA GAUTAM BUDH NAGAR-201301, UTTAR PRADESH, INDIA, 201301
LLP IDENTIFICATION NUMBER: AAM-6165 (2018-19)