SYSTEM ANALYSIS AND DESIGN
SECD 2613
SECTION 16

PHASE I
PROJECT PROPOSAL

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Executive Summary

The Kanri Subscription Management App offers companies of every kind a complete solution that can enhance and streamline subscription management. Effective management of subscriptions has become crucial to both financial stability and productivity due to the rapid growth of services based on subscriptions across industries. With the help of Kanri's straightforward platform, which combines subscription tracking, billing, and data analysis, companies can effectively track, optimize, and manage their subscription costs.

Key features :

1. Centralized Dashboard
   With Kanri, customers can conveniently manage all active subscriptions in real-time, including billing cycles, renewal dates, and payment status, all from a single dashboard.

2. Automated Alerts and Notifications
   To ensure quick action and avoid service delays, the app automatically sends alerts and notifications for approaching subscription renewals, unsuccessful payments, and price changes.

3. Expense Monitoring and Budgeting
   By offering broad insights into subscription spending trends, Kanri helps companies monitor and budget monthly expenses, allowing them to make efficient use of funds decisions and cut out unnecessary spending.

4. Customizable Monitoring and Budgeting
   With the help of the app's adjustable statistics and data analysis, customers can review subscription data, identify areas where money may be saved, and decide the best way to manage their subscription assets.

5. Integration Capabilities
   Kanri easily connects with financial platforms, Customer relationship management (CRM) programs, and accounting applications currently in use, improving the efficiency of workflows and ensuring data accuracy.

Benefits :

1. Cost Savings
   Kanri helps companies identify and eliminate unnecessary or underused
   subscriptions, which results in major cost savings. It achieves this by giving
   them control and visibility over subscription expenses.

2. Operational Efficiency
   By simplifying subscription management procedures and reducing the
   possibility of mistakes, the software increases efficiency in operation.

3. Data-Driven Decisions
   Kanri's extensive reporting and analysis tools allow companies to make
   data-driven choices about subscription investments, which improves ROI and
   improves the distribution of resources.

In conclusion, the Kanri Subscription Management App offers a comprehensive
solution to tackle the problems related to subscription management, resulting in visible
benefits in terms of revenue savings, efficiency in operation, and well-informed
decision-making. We feel that Kanri has the potential to establish itself as the industry
benchmark for subscription management, and we kindly ask for your permission to
continue creating and rolling out this game-changing product.

Background

The ultimate objective of Tech Innovations Inc., which was established in 2015,
is to create cutting-edge software solutions that simplify challenging corporate
processes. We've built an excellent track record over the years for our commitment to
excellence, customer-first mindset, and ability to prepare for trends in the market.
Many of the products in our portfolio have proven to be successful in helping
companies in various industries enhance productivity, reduce processes, and drive
growth.

The Kanri Subscription Management App is our most recent attempt to meet an important market need. Due to the growing popularity of subscription-based services throughout almost every industry organizations are facing growing challenges in effectively managing multiple subscriptions. By offering a complete solution that simplifies subscription tracking, billing, and data analysis, Kanri aims to reduce such issues. With real-time subscription visibility of data, automatic alerts, and adjustable reporting features, Kanri gives companies the ability to manage their subscription spending, manage resources effectively, and arrive at intelligent choices that promote growth and profit.

Fueled by the growing use of subscription-based business models across fields, the subscription management sector will continue to grow significantly. Due to its ability to provide a stable and simple platform that meets the changing requirements of modern companies, Kanri is in a unique position to profit from this trend. Kanri offers chances for cooperation and partnerships with major software developers by combining its abilities with existing accounting and CRM systems. Furthermore, Kanri has a chance to become the primary choice for businesses looking to maximize Returns and optimize their membership holdings as they continue to realize the value of effective subscription management.

Objectives

1. Increase Efficiency
    Simplify subscription management procedures to assist companies save time and manpower.
2. Cost Reduction
    Support companies in identifying and getting rid of unnecessary subscriptions to save money and improve their cash flow.
3. Enhance Visibility
    Give companies real-time access to subscription data so that they can divide resources more efficiently and make wise decisions.
4. Improve Decision-Making
    Provide companies with tailored analyses and reports so they can examine subscription spending patterns and make informed decisions.
5. Enhance Customer Satisfaction
    To enhance customer happiness and accessibility, make sure that there is an effortless interaction with the current systems and offer a user interface that is simple to use.

6. Drive Growth
   By providing an innovative solution that meets an urgent market need and offers clients real value, you may support the corporation's goal of encouraging growth and innovation.
7. Establish Market Leadership
   Promote Kanri as the top-of-the subscription management solution by providing outstanding performance, reliability, and customer service.

Methodology

1. Research and Analysis
   - Task: Understand what clients need and what other similar apps offer.
   - Time: 1 month
2. Requirement gathering
   - Task: Talk to users and decide what features the app should have.
   - Time: 2 weeks
3. Design and Prototyping
   - Task: Draw how the app will look and work.
   - Time: 1 month
4. Development
   - Task: Build the app according to the design.
   - Time: 1.5 months
5. Testing and Quality Assurance
   - Task: Check if the app works well and fix any problems.
   - Time: 1 month
6. Integration
   - Task: Check if the app works well and fix any problems.
   - Time: 1 month
7. Documentation and Training
   - Task: Write guides and teach users how to use the app.
   - Time: 2 weeks
8. Deployments
   - Task: Put the app live so users can start using it.
   - Time: 1 week

Project Milestones:
- Milestone 1 (3 months): Finish building the app.
- Milestone 2 (4 months): Test the app and make sure it works well.
- Milestone 3 (5 months): Teach users how to use the app.
- Milestone 4 (5 months): Launch the app for everyone to use.

Resources

Personnel :
- Project Manager: Oversees the project, coordinates tasks, and ensures timely delivery
- Software developers: Responsible for building and coding the app.
- UI/UX Designers: Design the user interface and ensure a positive user experience.
- Quality Assurance Engineer: Test the app for bugs and ensure its reliability.
- Technical Support Staff: Provide assistance to users and address any issues that arise.

Equipment:
- Computers: Desktops or laptops for development, design, and testing tasks.
- Servers: Hosting infrastructure for deploying and running the app.
- Networking Equipment: Routers, Switches, and Cables for network connectivity.

Software:
- Development Tools: Integrated development environments (IDEs) like Visual Studio Code.
- Design Tools: Adobe XD, Sketch, or Figma for UI/UX design.
- Version Control: Git for managing code versions and collaboration.
- Testing tools: Selenium for automated testing, Jira or Trello for issue tracking.
- Deployment tools: Docker for containerization, Kubernetes for container orchestration.

Dedicated Task Time:
- Project Management: Full-time.
- Development: Full-time for software developers.
- Design: Full-time for UI/UX designers during the design phase.
- Testing: Full-time for quality assurance engineers during the testing phase.
- Technical Support: On-demand basis post-deployment, with a dedicated resource available during the initial launch period.

Budget

Personnel Costs:
- Project Manager: RM 10,000 per month (estimated duration: 6 months)
- Software Developers: RM 8,000 per month (estimated duration: 6 months)
- UI/UX Designers: RM 9,000 per month (estimated duration: 2 months)
- Quality Assurance: RM 7,000 per month (estimated duration: 2 months)
- Technical Support Staff: RM 7,000 per month (Ongoing support post-deployment)

Equipment Costs:
- Computers: RM 5,000 per unit (Number of units based on team size)
- Servers: RM 2,000 per month for hosting services.
- Networking Equipment: RM 3,000 for routers, switches, and cables.

Software Costs:
- Development Tools: RM 3,000 for licenses/Subscriptions.
- Design Tools: RM 4,000 for licenses/Subscriptions.
- Version Control: Free (using Git).
- Testing Tools: RM 3,000 for licenses/Subscriptions.
- Deployment Tools: RM 2,000 for licenses/Subscriptions.

Other Costs:
- Marketing and Promotion: RM 10,000 for advertising and promotional activities.
- Training and Documentation: RM 50,000 for creating user manuals and training materials.
- Miscellaneous Expenses: RM 5,000 for unforeseen expenses or contingencies.

Total Budget Estimate:
- The number of employees hired, the equipment bought, the software subscriptions needed, and any other expenses incurred throughout the project will all affect the estimated overall budget.

Measurement and Reporting

1. Progress Report:
   - Weekly Status Meetings: Schedule frequent meetings to go over the status of the project, any challenges, and the next steps to take.
   - Task tracking: To keep tabs on progress and keep track of completed tasks, use project management software such as Jira or Trello.
   - Documentation: Keep complete documentation of all project outcomes, milestones, and changes.

2. Success Measurement:
   - User Satisfaction Surveys: Gather feedback from users to evaluate their satisfaction with the app's functionality and usability.
   - KPIs, or key performance indicators, include: Monitor data such as system availability, user acceptance rates, and subscription cost reductions.
   - Compatibility with requirements: Verify that the application satisfies all requirements and provides stakeholders with the desired value.

Project Schedule

PROJECT TITLE	Kanri (The Subscription Management App)

WBS NUMBER	TASK TITLE	START DATE	DUE DATE	DURATION	PCT OF TASK COMPLETE
1	Market Research	01/06/24	15/06/24	14	100%
2	Requirement Gathering	16/06/24	30/06/2024	14	100%
3	Design and Prototyping	01/07/24	15/08/24	44	90%
4	Development	16/08/24	15/11/24	89	40%
1.4	Testing and Quality Assurance	16/11/24	31/12/24	45	70%
1.5	Integration	01/01/25	31/01/25	30	60%
1.6	Documentation and Training	01/02/25	14/02/25	13	50%
2.1	Deployment	15/02/25	21/02/25	4	22%

Risks

1. Technical Challenges:
    *   Probability: High
    *   Impact: Delays in development, potential increase in costs.
    *   Mitigation: Have skilled programmers on the team, dedicate more effort to resolving technical problems, and carry out comprehensive technical efficacy studies.

2. Scope Creep
    *   Probability: Medium
    *   Impact: Extended project timeline, higher project costs, and a possible decline in product quality.
    *   Mitigation: Establish the project's requirements and scope accurately, keep a careful eye on any alterations, and put a change control procedure in place.

3. Integration Issues
    *   Probability: Medium
    *   Impact: Incompatibility with existing systems, data loss or corruption.
    *   Mitigation: Conduct comprehensive compatibility testing, establish clear communication with stakeholders, and develop contingency plans for data backup and recovery.

4. Security Vulnerabilities
    *   Probability: Medium
    *   Impact: Data breaches, loss of trust from users.
    *   Mitigation: Keeping up with the latest cybersecurity best practices and putting strong security measures like encryption, authentication, and frequent security audits into place.

5. User Adoption
    *   Probability: Low to Medium
    *   Impact: Low usage rates, failure to achieve desired outcomes.
    *   Mitigation: Provide comprehensive training and support, gather user feedback during development, and continuously iterate based on user needs.

6. Market Competition
    - Probability: High
    - Impact: Decreased market share, difficulty in attracting users.
    - Mitigation: Conduct thorough market research, differentiate the app through unique features and superior user experience, and implement effective marketing and promotional strategies.

7. Regulatory Compliance
    - Probability: Low to Medium
    - Impact: Fines, legal issues, damage to reputation.
    - Mitigation: Stay informed about relevant regulations and standards, ensure compliance throughout the development process, and engage legal experts for guidance if needed.

8. Resource Constraints
    - Probability: Medium to High
    - Impact: Delays in project timelines, compromised quality.
    - Mitigation: Regularly monitor resource allocation, prioritize tasks, and consider outsourcing certain activities if necessary to ensure project continuity.