

WELCOME

CAF

Bakery Store Online

Capstone Project Presentation
卒業論文プレゼンテーション



INTRO ABOUT US

Supervisor
指導教員



Nguyen Van Sang

Team Member チームメンバ



Cao Anh Tuan



Pham Minh Phuong



Nguyen Xuan Ha



Hoang Anh Phuong



Ngo Trung Kien

Outlines - アウトライン

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1

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2

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3

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4

Introduction

導入

Project
Management

プロジェクト管理

Software
Requirement
Specification

プロジェクト管理

Software Design
Description

ソフトウェア要求仕様

0
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7

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8

Quality Control

品質管理

Project Result

プロジェクト結果

Demo

デモ

Q & A

質問と回答

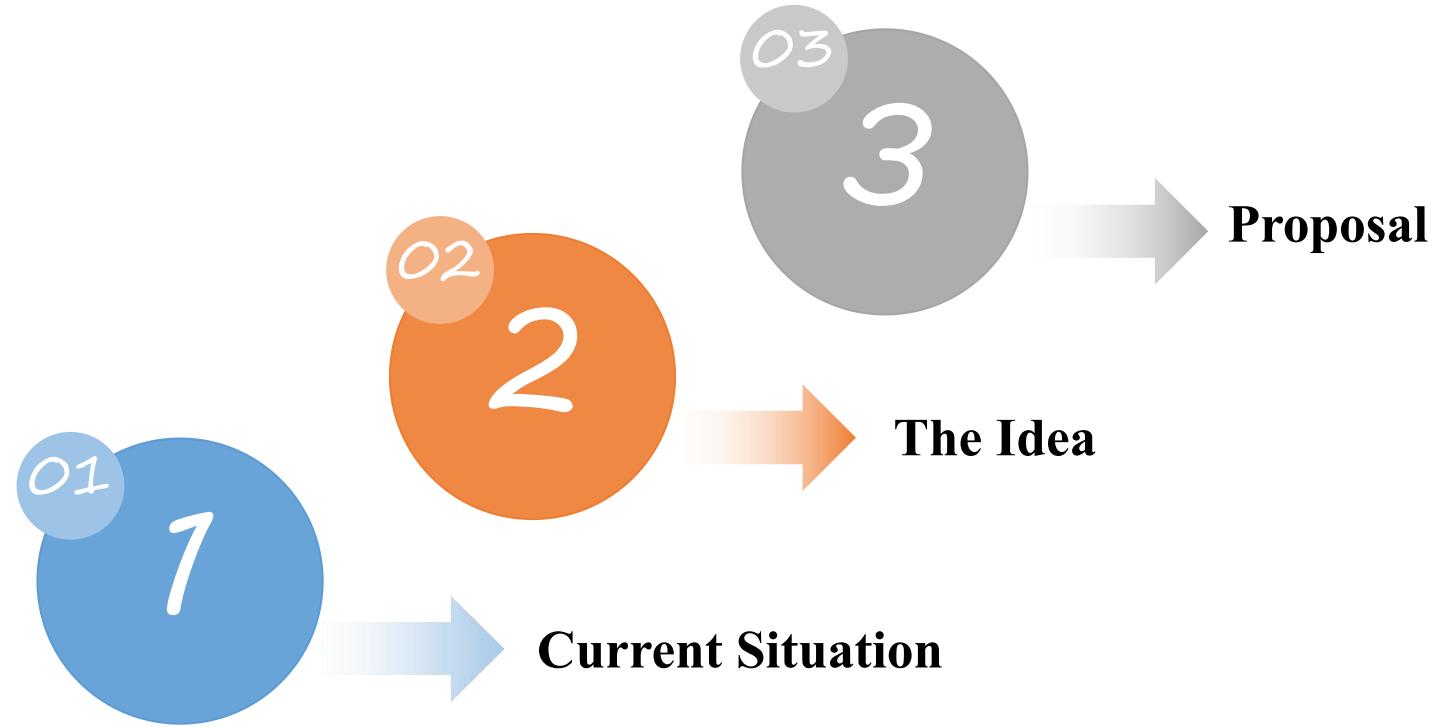
1.

Introduction

n

導入





1.1 Current Situation - 現在狀況

There are a lot of Bakery Store

1

Sale and Marketing focus on social network instead of website

2

Payment method on website

3

FIND A LOCATION

Bread and Pastries

Our chefs bake fresh loaves of bread daily at each location.
Our talented chefs' skills and love for bread help make
wonderfully fresh-baked bread every single day.

[BREAD & PASTRIES](#) | [CAKES & DESSERTS](#) | [SPECIALTY DRINKS](#) | [SANDWICHES & SALADS](#) | [GIFT ITEMS](#)



Mini Swirl Pain au
Chocolat
340 Cal.



Mozzarella Onion Bread
710 Cal.



Sweet Veggie Bread
280 Cal.



Mocha Cream Cheese
Bread
210 Cal.



Black & Blueberry
Cream Pastry
640 Cal.



Apple Bavarian Cream
Pastry
690 Cal.



Almond Meringue
Pastry
420 Cal.



Cinnamon Sugar
Coffee Bun
440 Cal.

CONTACT US FIND US

f g

TOUS les JOURS

OUR STORY PRODUCTS LOCATIONS EVENTS FRANCHISE CAREERS Q

HOME / PRODUCTS / CAKE / FRESH CREAM CAKE

CAKE

Fresh Cream Cake	Butter Cake	Mousse Cake	Sliced Cake	Gift Cake
A round cake with white frosting and various fresh fruit toppings.	A round cake with white frosting and fruit toppings.	A round cake with dark chocolate mousse and fruit toppings.	A small, round cake with dark chocolate shavings on top.	A round cake with white frosting and fruit toppings.
A round cake with white frosting and various fresh fruit toppings.	A round cake with white frosting and fruit toppings.	A round cake with dark chocolate mousse and fruit toppings.	A small, round cake with dark chocolate shavings on top.	A round cake with white frosting and fruit toppings.

HOME

GIỚI THIỆU QUÀ TẶNG

CÂU CHUYỆN

BỘ SƯU TẬP



HOTLINE: 0902544888

CÁC ĐIỂM BÁN

BÁNH TRUNG THU MADAME HUONG

Madame Huong hân hạnh giới thiệu Bộ sưu tập [bánh trung thu 2017](#) mang tên Hà Nội Phố!



ĐỒNG XUÂN PHỐ - GIÁ: 320.000 VND

Hộp 4 bánh 120gr: Sen xát, Cốm xanh, Dưa Mỹ, Đậu
xanh



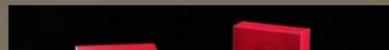
ĐỒNG XUÂN PHỐ - GIÁ: 320.000 VND

Hộp 4 bánh 120gr: Sen xát, Cốm xanh, Dưa Mỹ, Đậu
xanh



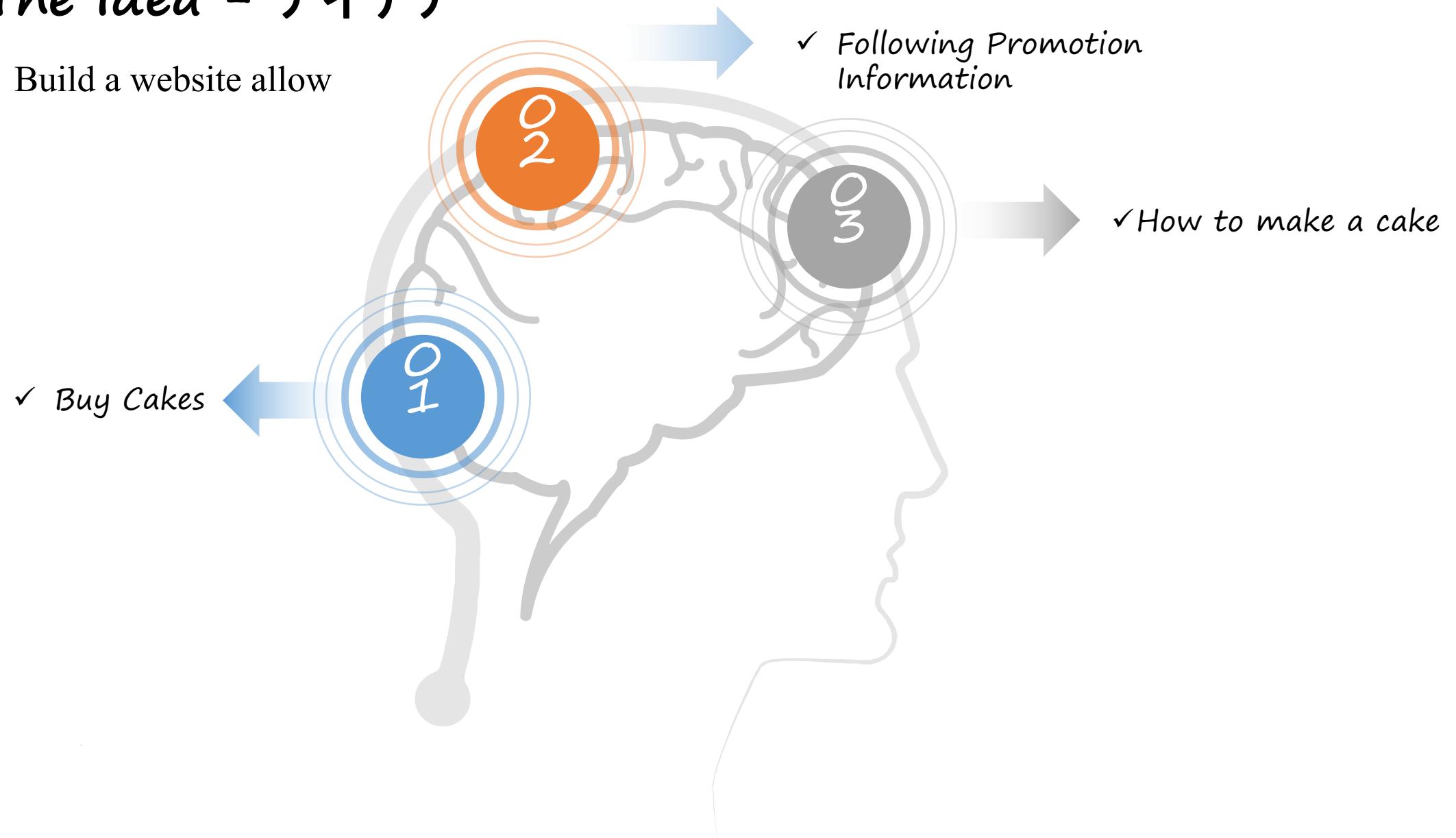
ĐỒNG XUÂN PHỐ - GIÁ: 320.000 VND

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xanh

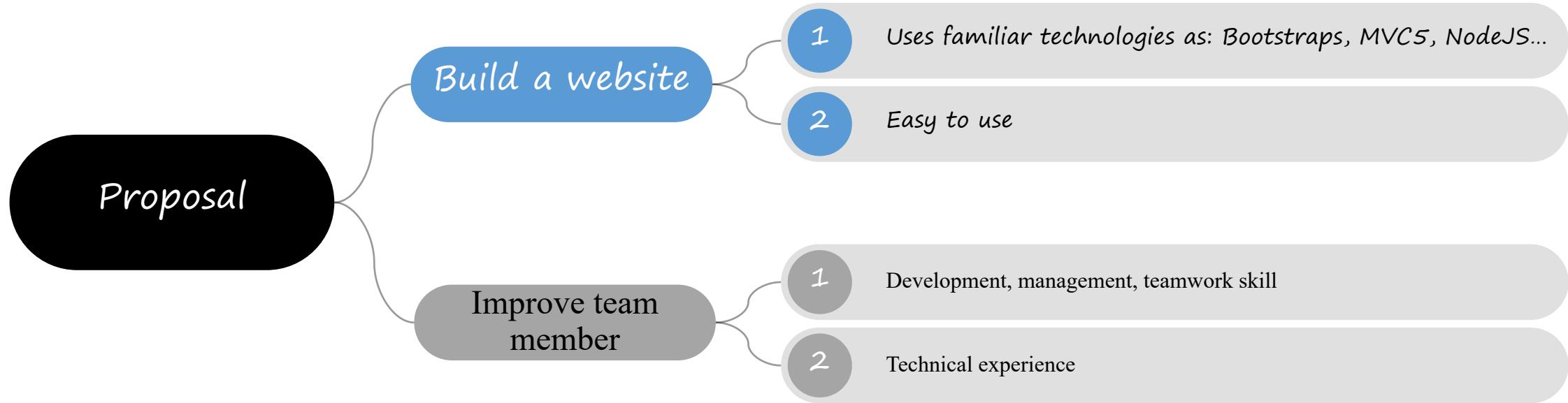


1.2 The Idea - アイデア

- Build a website allow



1.3 Proposal - 提案



2. Project Management プロジェクト管理



2.1 Software Process Model

ソフトウェアプロセスモデル

Initiation	<ul style="list-style-type: none">✓ Identify business functions of the system✓ Determine scope, condition, limitation, project risk✓ List main functions✓ Complete Report #1
Solution	<ul style="list-style-type: none">✓ Complete SRS, Architecture Design and Database Design✓ Complete Report #2
Construction	<ul style="list-style-type: none">✓ Report #3, Report #4✓ Complete Coding and Testing
Termination	<ul style="list-style-type: none">✓ Complete software packages and Report #5, Report #6✓ Preparing presentation✓ Complete Project

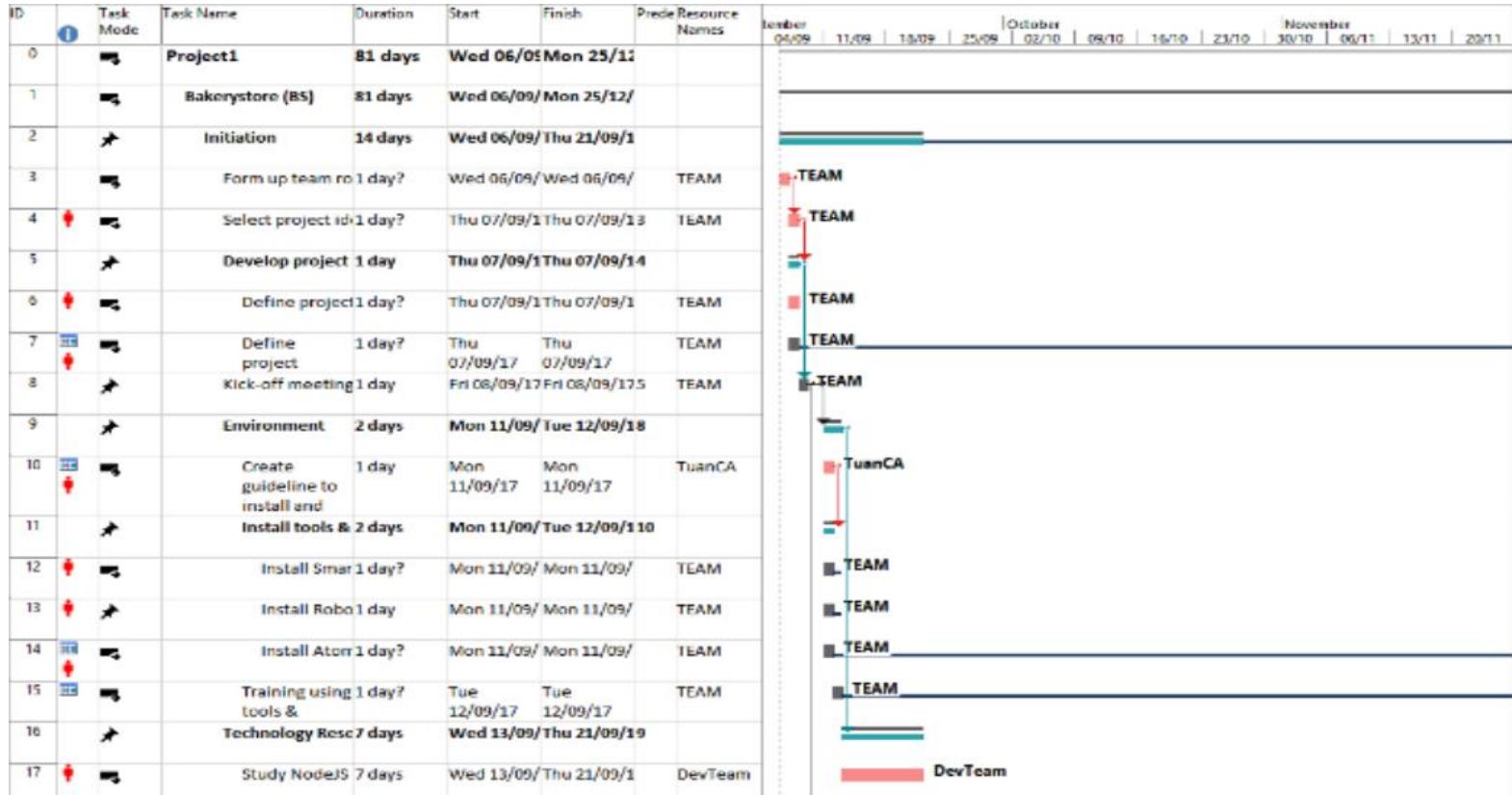
2.2 Project Organization

プロジェクト組織



2.3 Project Schedule

プロジェクト計画



2.4 Objectives & deliverables

目標と成果物

No	Stage	Committed Delivery date	Description of Deliverable	Delivery media
Initiation				
1	Develop project idea	07-09-2017	Project goals and scope defined, milestone description defined, resource committed	SmartGit
2	Q&A Management Sheet	13-09-2017	Criteria: Documentation reviewed	SmartGit
3	Submit report no.1 final	21-09-2017	Completed report no.1	SmartGit
4	Project Plan	21-09-2017	Criteria: Documentation reviewed	SmartGit
5	Submit report no.2 final	17-10-2017	Completed report no.2	SmartGit
Solution				
1	Screen Prototype	05-10-2017	Criteria: Documentation reviewed	SmartGit
2	Architecture Design	09-10-2017	Criteria: Documentation reviewed	SmartGit
3	Screen Design	11-10-2017	Criteria: Documentation reviewed	SmartGit
4	Class Design	16-10-2017	Criteria: Documentation reviewed	SmartGit
5	Detail Data Design	05-10-2017	Criteria: Documentation reviewed	SmartGit
6	SRS	27-09-2017	Criteria: Documentation reviewed	SmartGit
7	Submit Report no.3 Final	26-10-2017	Completed report no.3	SmartGit
8	Submit Test Plan Final	25-10-2017	Criteria: Documentation reviewed	SmartGit
9	Create Test Case	10-11-2017	Criteria: Documentation reviewed	SmartGit
10	Submit Report no.4 Final	21-11-2017	Completed report no.4	SmartGit

2.5 Tools & Infrastructure

ツールと インフラストラクチャ

Tools

➤ Tools for project management



SmartGit



Word 2013



Excel 2013



Power Point 2013

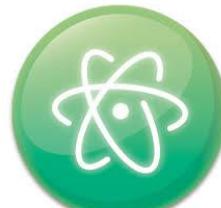


Astah

➤ Tools for developing



mongoDB



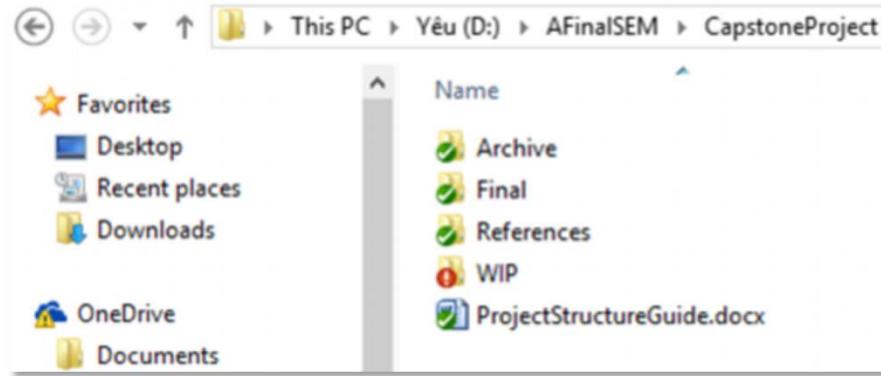
2.6 Risks management

リスク管理

No	Risk	Root Cause	Triggers	Avoidance plan	Contingency plan	Fallback plan
1	Conflict among team members	Team member doesn't understand each others	Has issue inside team	Plan some team buildings to improve teammate	Have a meeting to resolve conflict problem	Switch member to other team.
2	Requirement is changed after project is started	SRS not good (not realistic, not feasibility, not meet customer needs)	Customer (user) make change request. Or project team cannot develop the system as description in SRS.	Requirement should be paid a lot of attention. SRS should be reviewed carefully by PM and the supervisor.	With each requirement changes, the project team should have a meeting to analysis the change requests and take actions.	Re-estimate and update plan.
3	The server has defective parts.	Defective power supply	Server is down	Ensure the supplier provides with the adequate warranties.	Replace or fix the defective parts quickly.	Buy a new one.

2.7 Configuration management

コンフィグレーション管理



Folder structure of project

- ▶ **Final:** Store sent and delivered documents
- ▶ **References:** Store reference documents.
For example: templates, technologies document...
- ▶ **WIP:** Store documents in progress developing
 - **Plan:** Plan of capstone project
 - **Users:** Working Folder of Member
 - **Documents:** Store whole documents in progress developing
 - **Records:** Store documents like Meeting Minutes, Q & A Management...

2.7 Configuration management

コンフィグレーション管理

Name	Date modified
BS_Architecture Design_v1.0_EN	13/12/2017 3:13 CH
BS_Class Design_v1.0_EN	12/12/2017 7:21 SA
BS_Data-Design_v1.0_EN	13/12/2017 8:42 SA
BS_Screen-design_v1.0_EN	12/12/2017 6:42 SA
BSO_Progress RePort 1_v1.0_EN	13/12/2017 3:44 SA
BSO_Progress RePort 1_v1.0_JP	13/12/2017 4:09 SA

Naming conventions

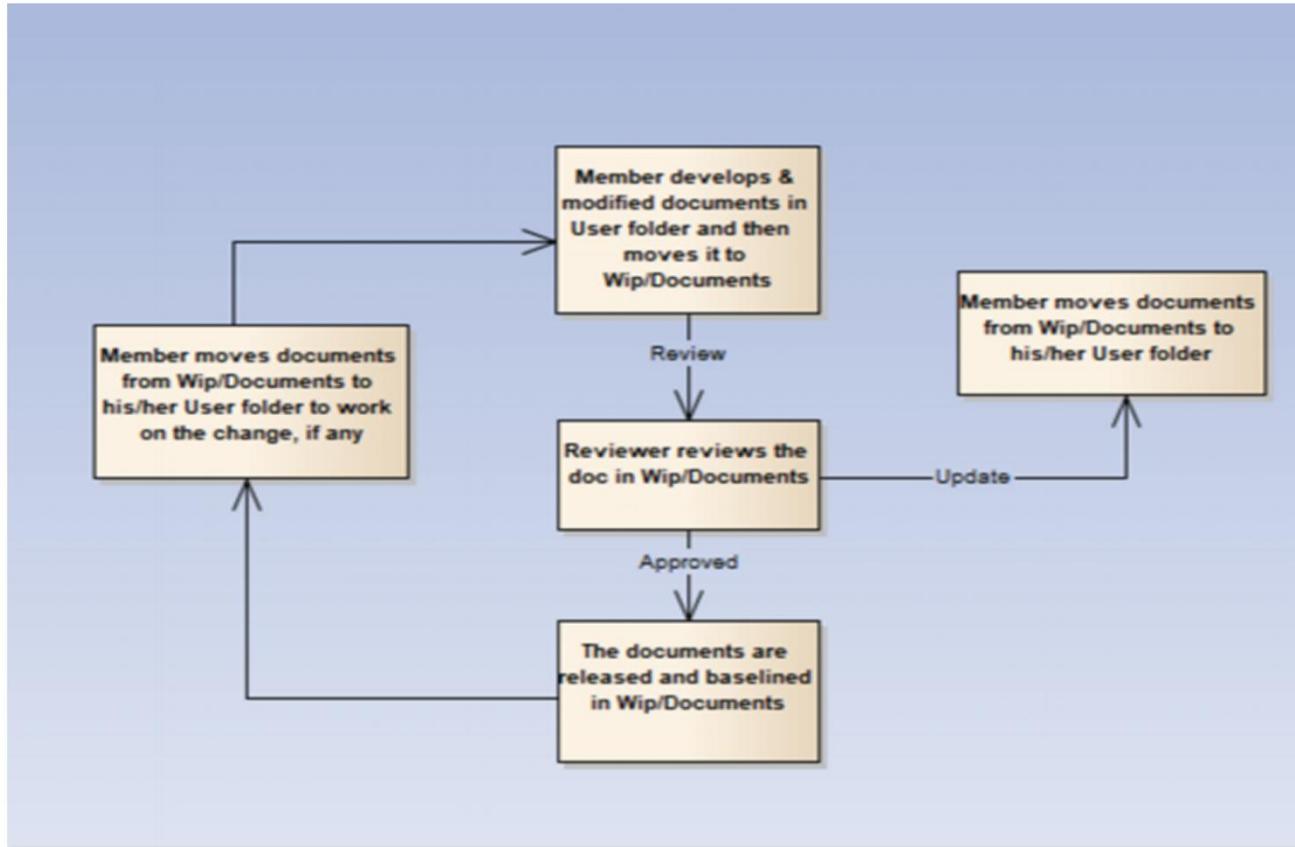
Rule:

ProjectCode_Document's
name_v<x.x>_language

- ProjectCode: FA {
- Document's name:
Architecture Design, Class
Design...
- v<x.x>: document's version.
For example: v1.0, v1.1,...
- Language:
 - ✓ EN: English
 - ✓ JP: Japanese

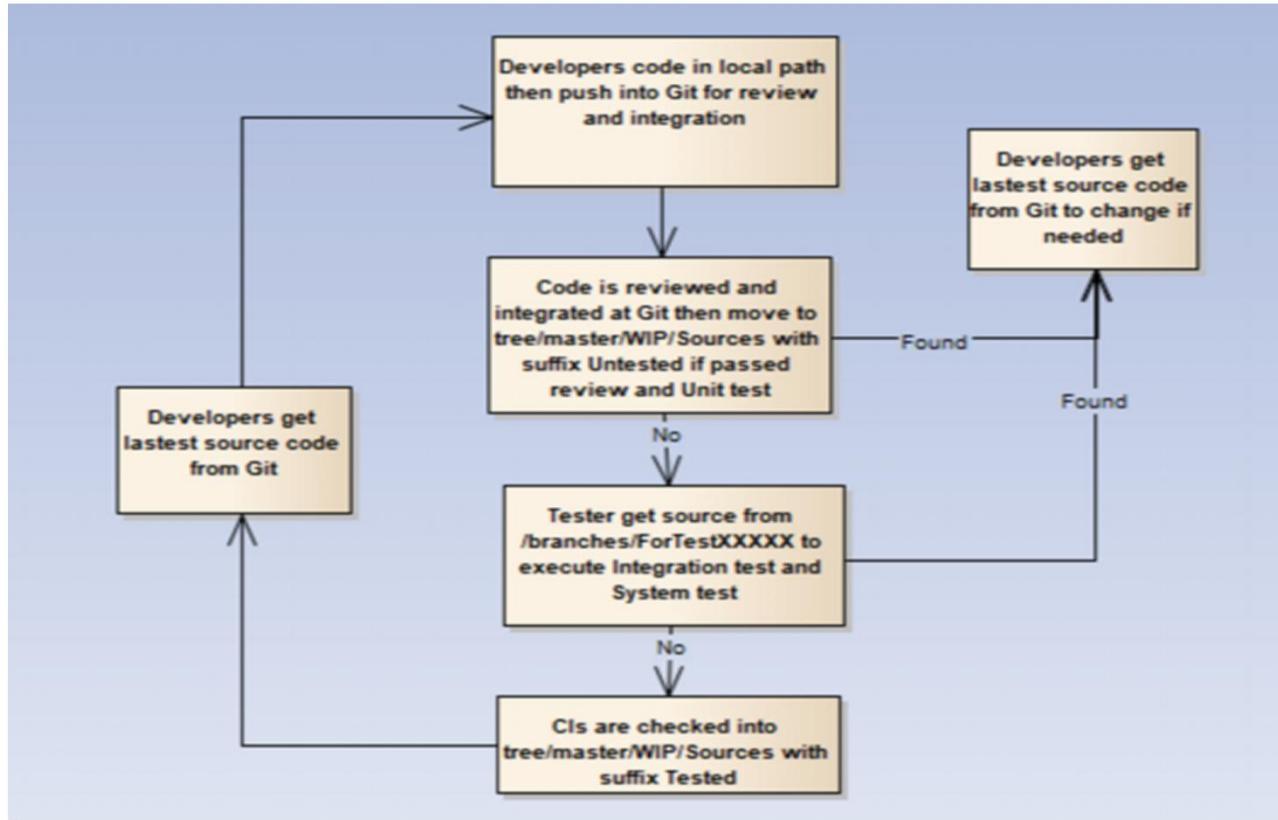
2.7 Configuration management

コンフィグレーション管理



2.7 Configuration management

コンフィグレーション管理



2.8 Communication management

コミュニケーション管理

- Time: 5 hours/day, 5 days/week.



- Location: school, home



- Communication



- Meeting minutes





3. Software Requirement Specification プロジェクト管理

3.1 Business Actors - ビジネスアクター

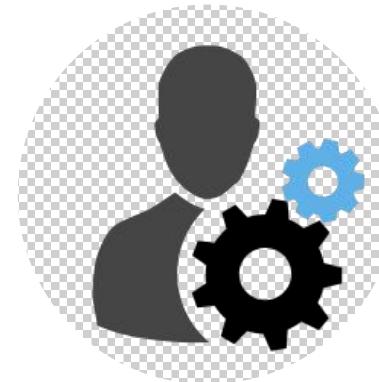
There are 3 actors:



User

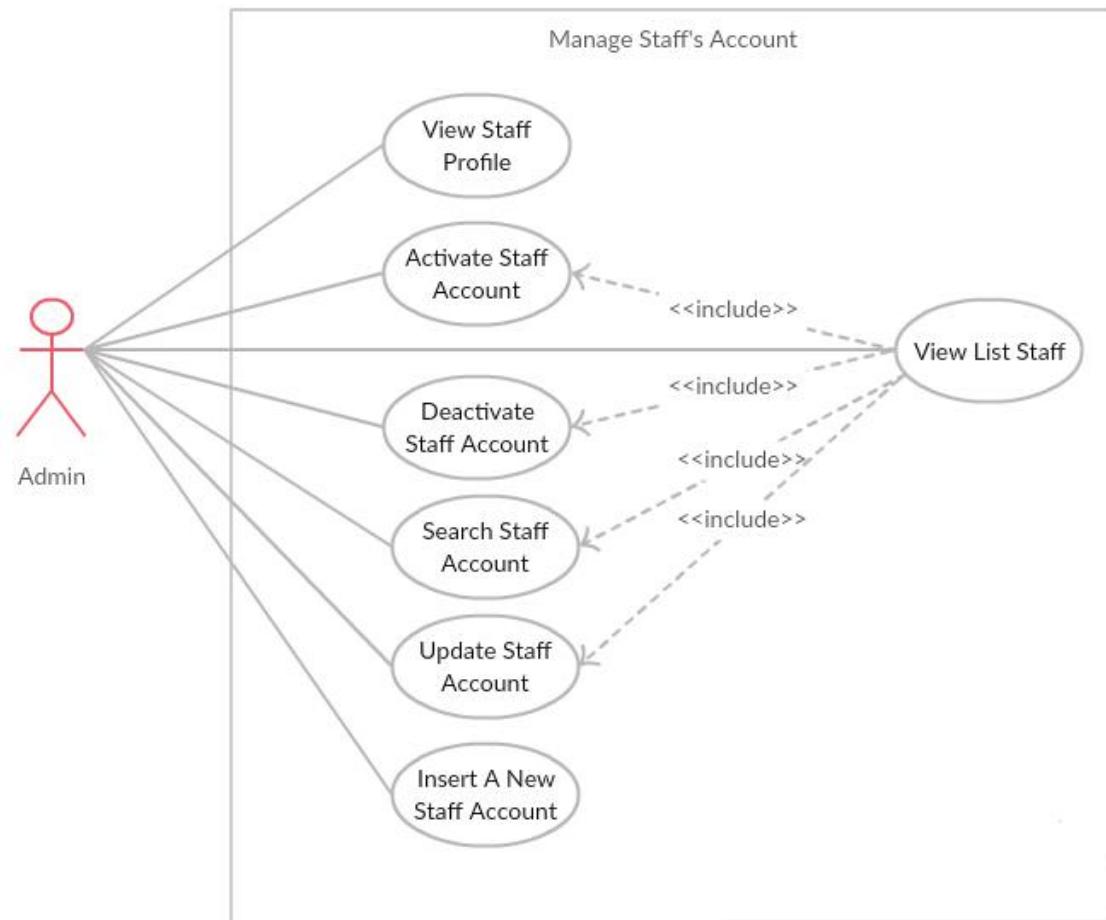


Staff



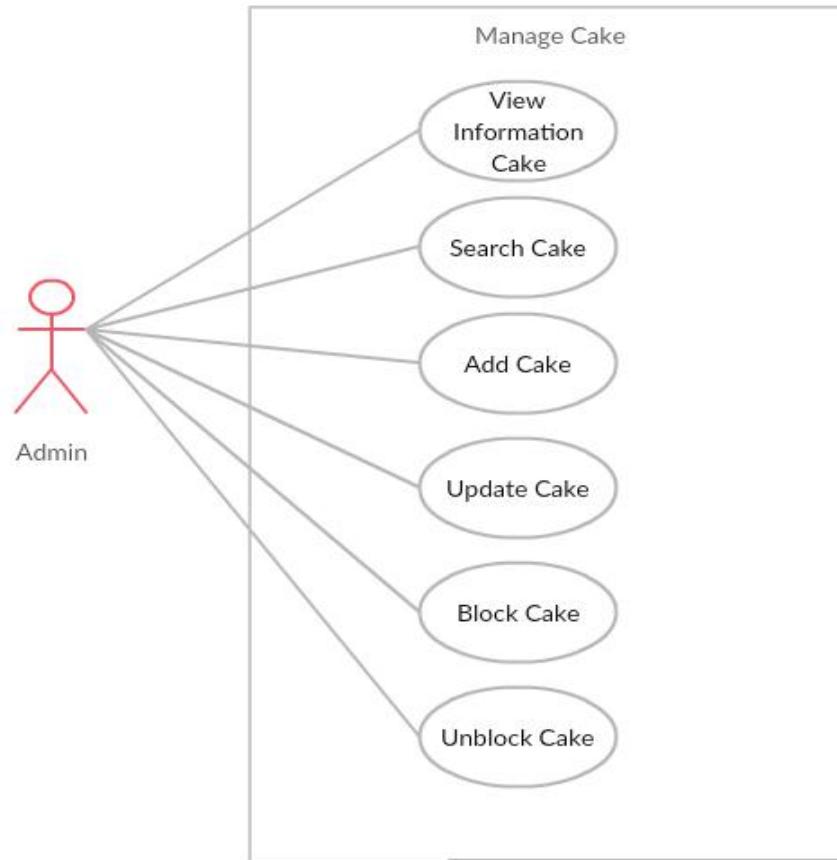
Administrator

3.2 Functional Requirements - 機能要求



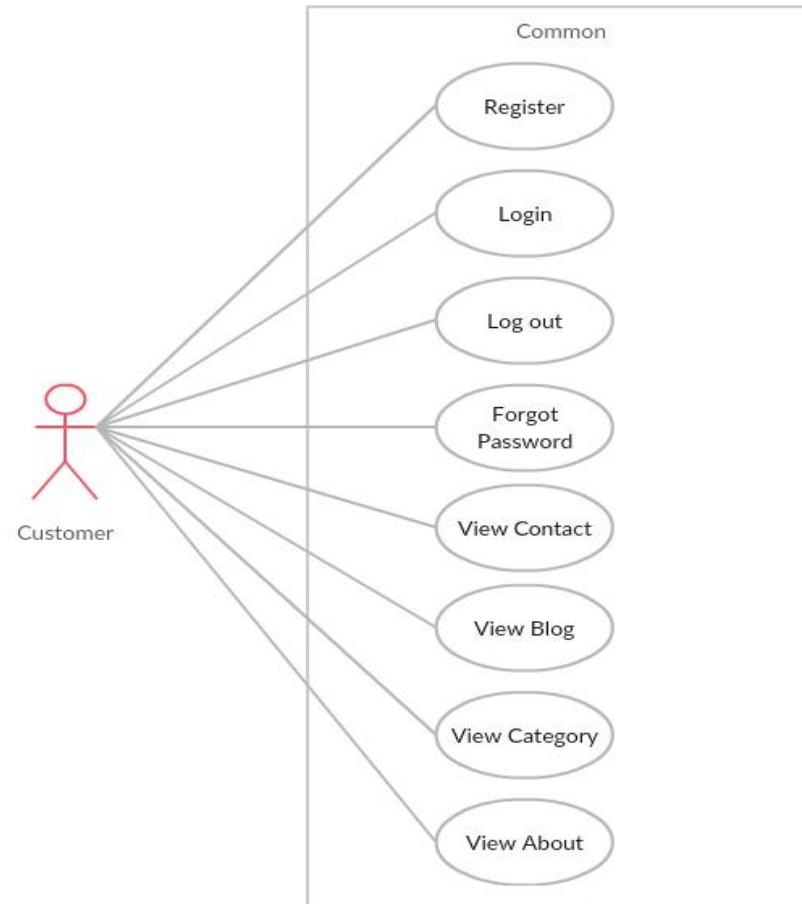
Manage Staff's Account Module

3.2 Functional Requirements - 機能要求



Manage Cake's Account Module

3.2 Functional Requirements - 機能要求



3.3 Non-functional Requirements - 非機能要求

➤ Availability

The application must be available 95% of time. Users can access to it everywhere from their Web browser with internet connection.

➤ Performance

In term of response time, waiting time of processing will be 8 to 10 seconds; time to process any functions will not exceed 15 seconds.

➤ Maintainability.

✓ Design

The design of the system must be loosely coupled that changes on some module will not affect others.

✓ Usability

- User can complete each function in less than 12 actions
- Output of the project must include coding standards and naming conventions documentations. Implementation code must be easy to maintain

3.3 Non-functional Requirements - 非機能要求

Security Requirements

- **User authorize**
 - Each function must be distributed system access and manipulate the individual parts. To edit information, user must declare their username and password before the operation. Functions will be show after users login dependencies user's role and permission of each user.
- **Manage Data Layer**
 - Only Administrator can modify database system

3.3 Non-functional Requirements - 非機能要求

Software Requirements



Chrome



Firefox

Hardware Requirements:

- PC, Laptop , Smartphone with internet connection.





4. Software Design Description

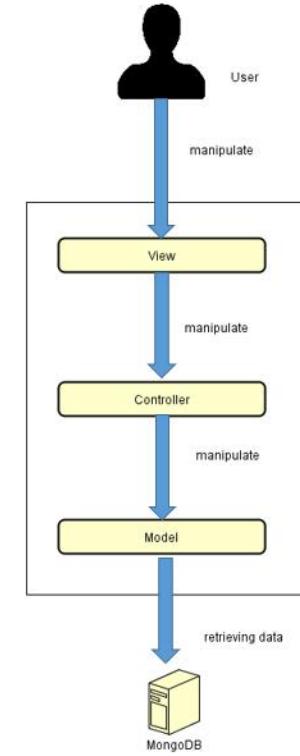
ソフトウェア要求仕様



4.1 Architectural Representation – アーキテクチャ表現

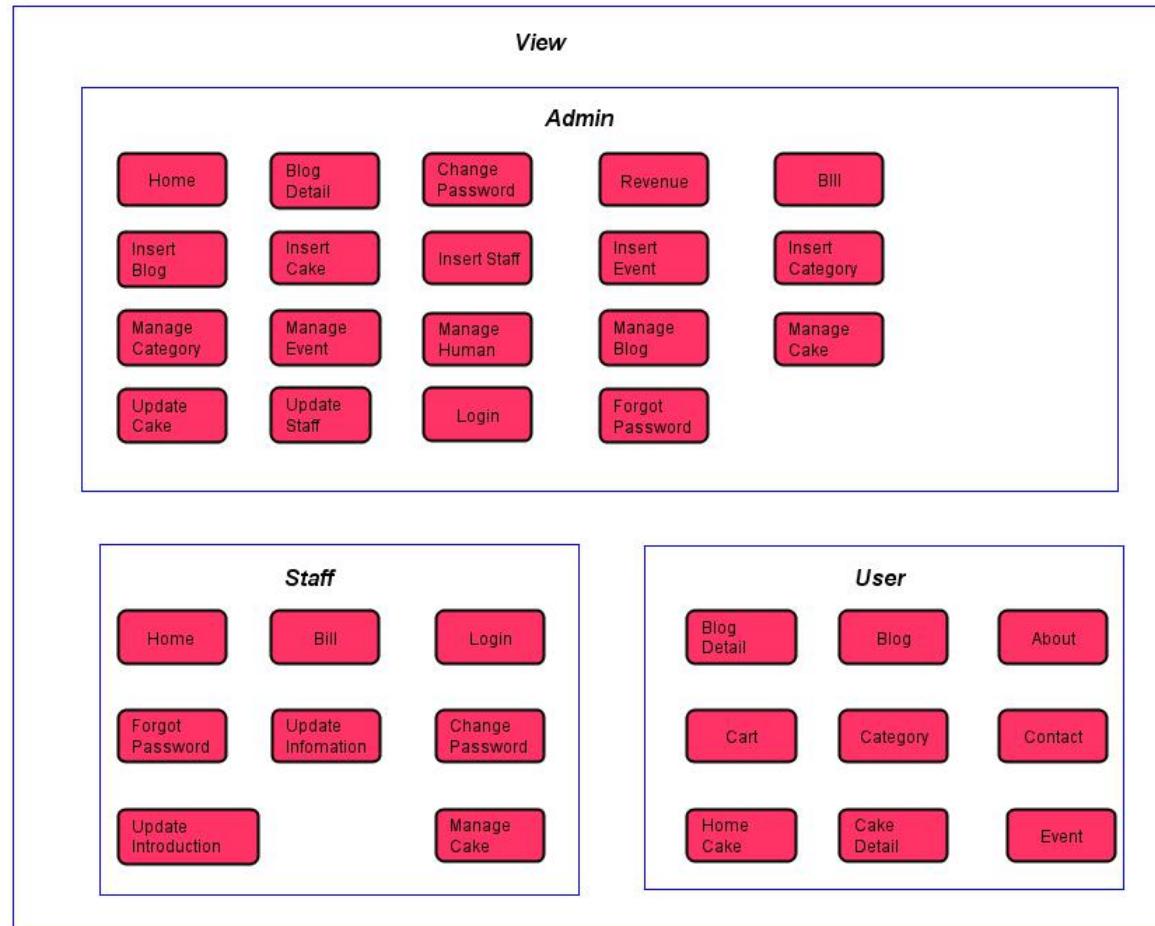
❖ Technology:

- Nodejs MVC
- MongoDB

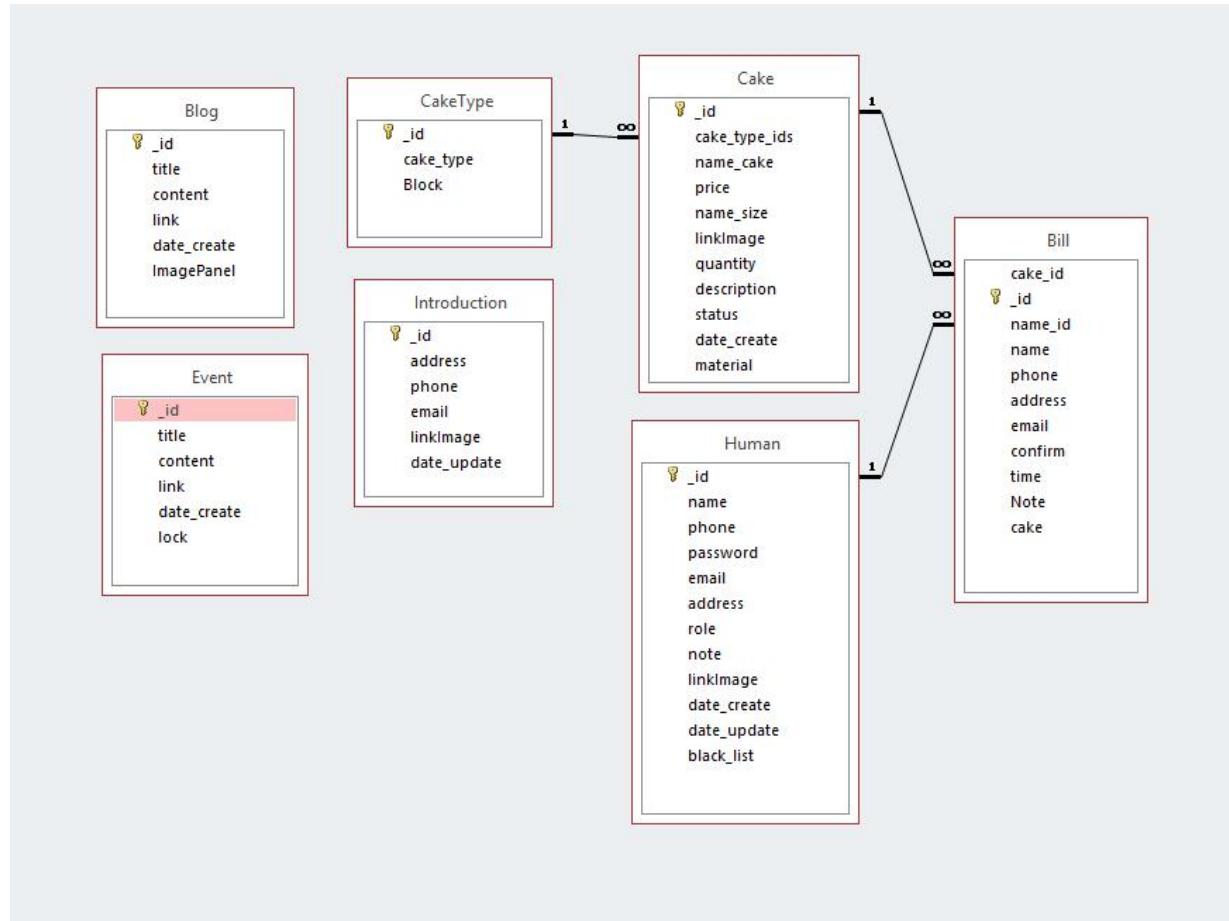


BS System Overall Architecture
BSシステム全体のアーキテクチャ

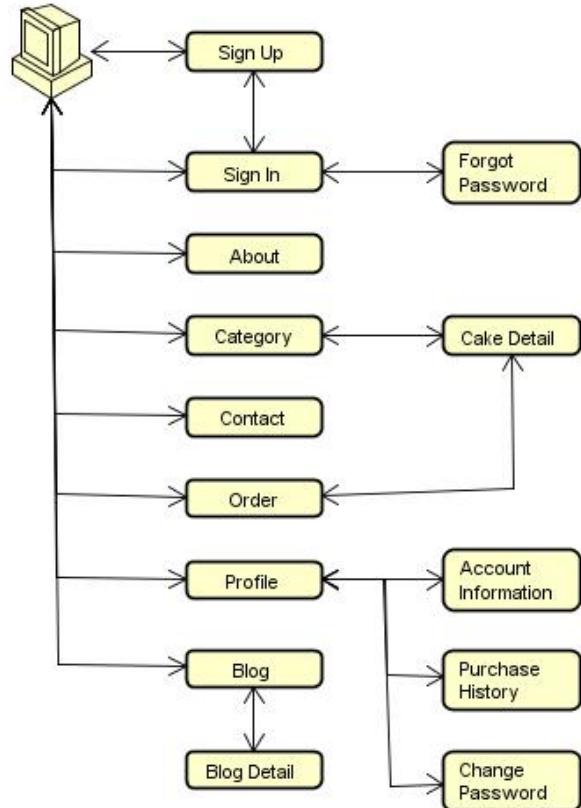
4.2 Package View - パッケージ ビュ



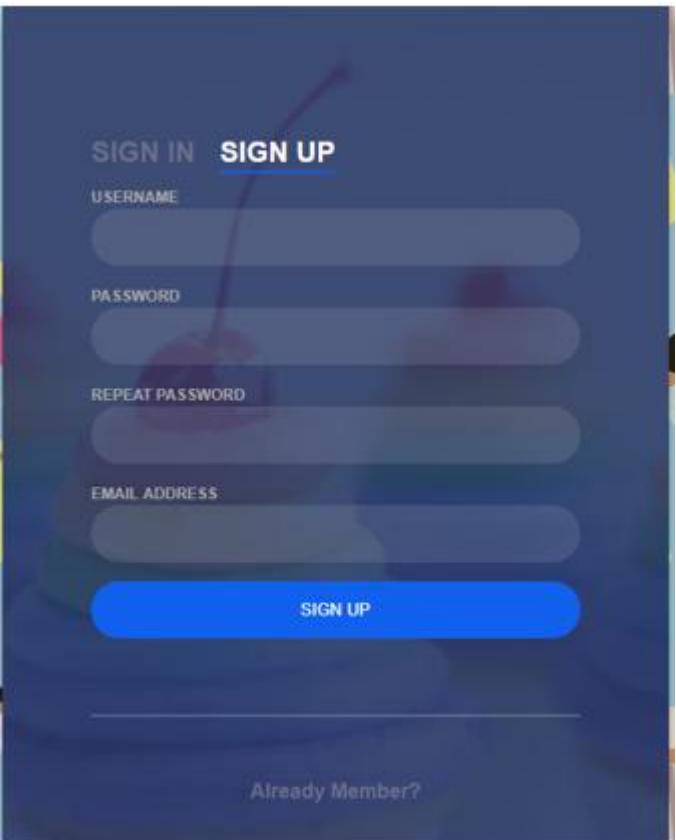
4.3 Database Design -データベース設計



4.4.1 Screen Flow - 画面の流れ

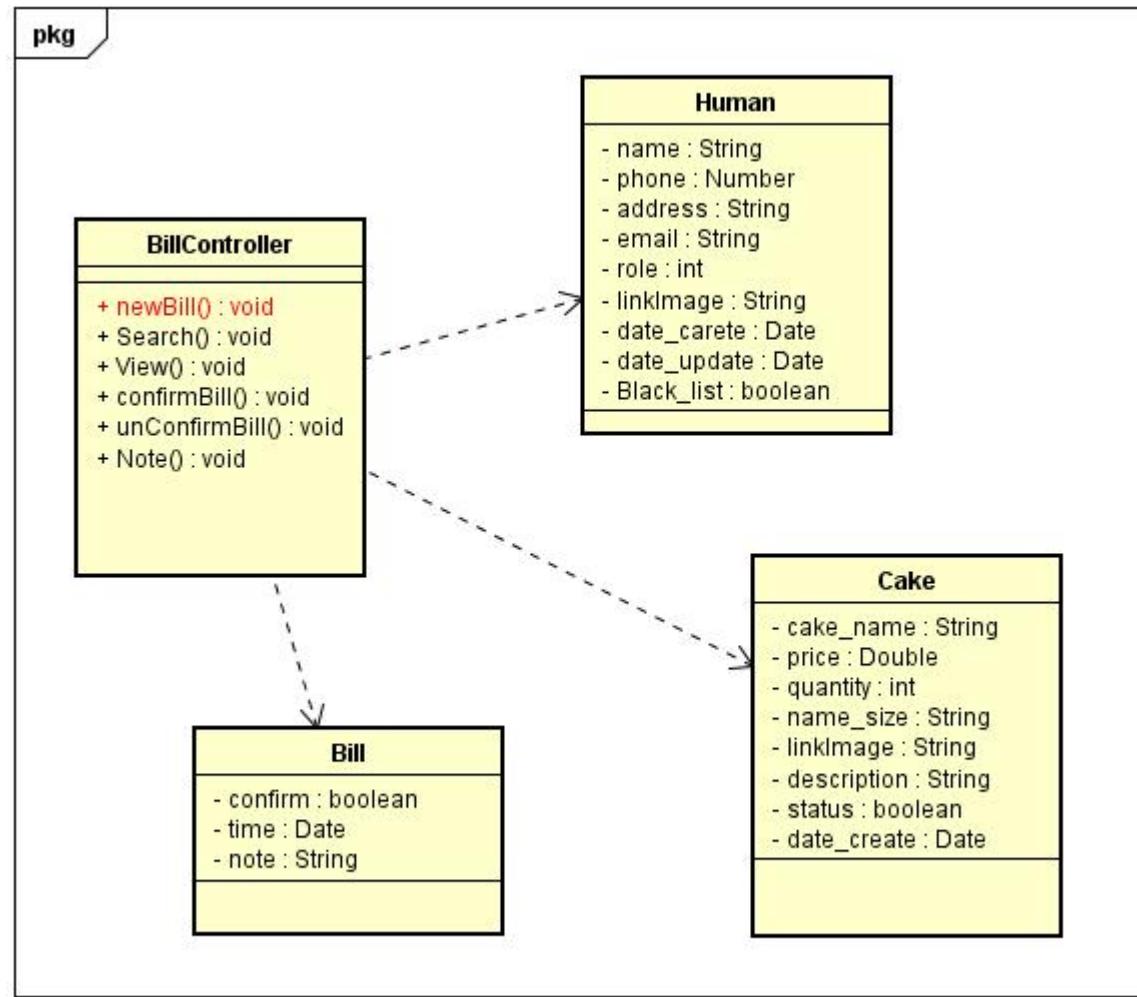


4.4.2 Screen Design - 画面設計

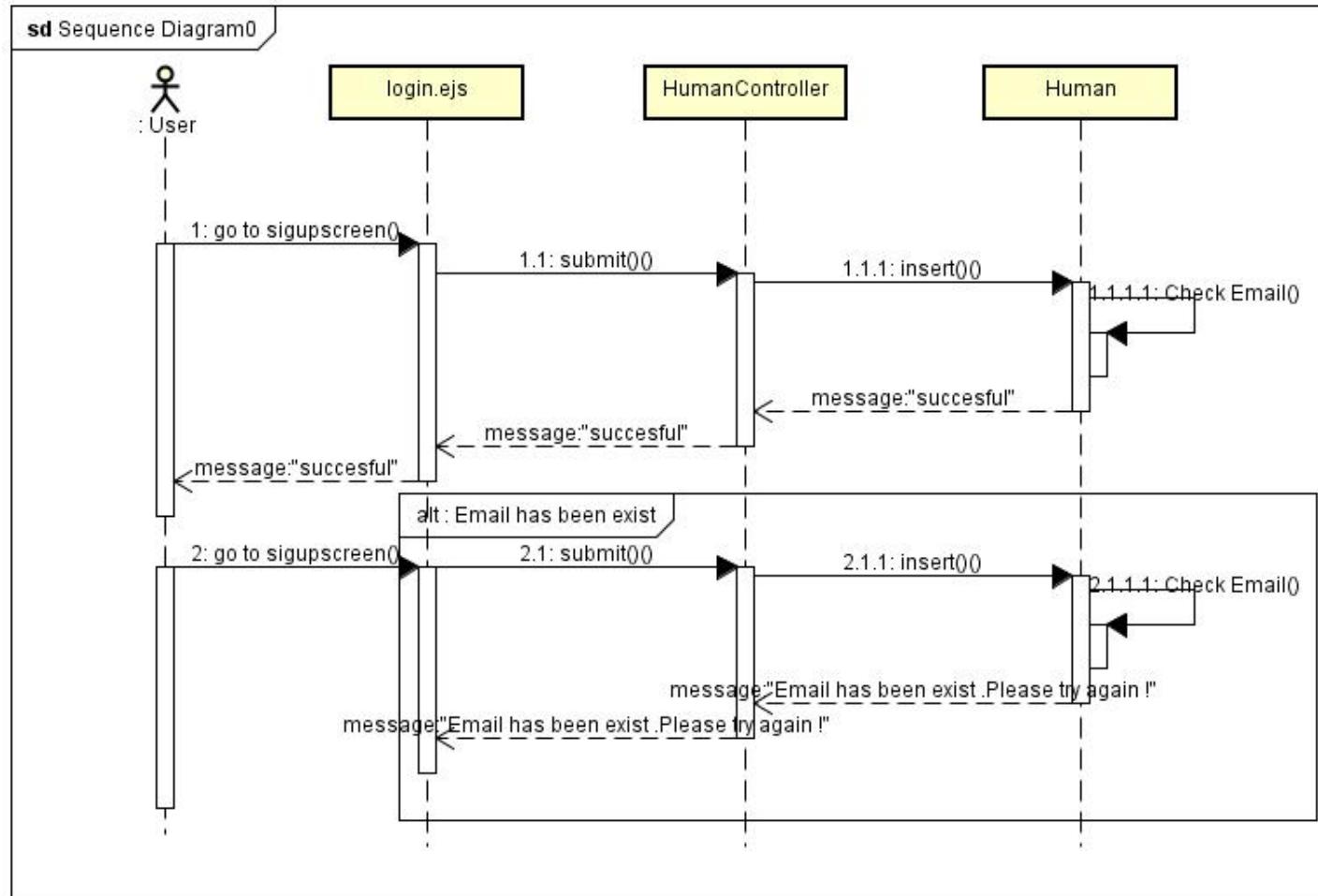


No	Field name	Type	Require	Mandatory	Max-Length	Description
1	Sign in	Label	Click	Y		From Sign in
2	Sign up	Label	Click	Y		From Sign up
3	<u>UserName</u>	Text		Y		User Name
4	Password	Text	Password	Y		Password
5	Repeat Password	Text	Password			Repeat Password
6	Email	Text	Email	Y		Email of User
7	Sign up	Button	Click	Y		Sign up
8	Already Member	Link	Click	Y		Back to Sign In

4.5.1 Class Design - クラス設計



4.5.2 Sequence Diagram - シーケンス図

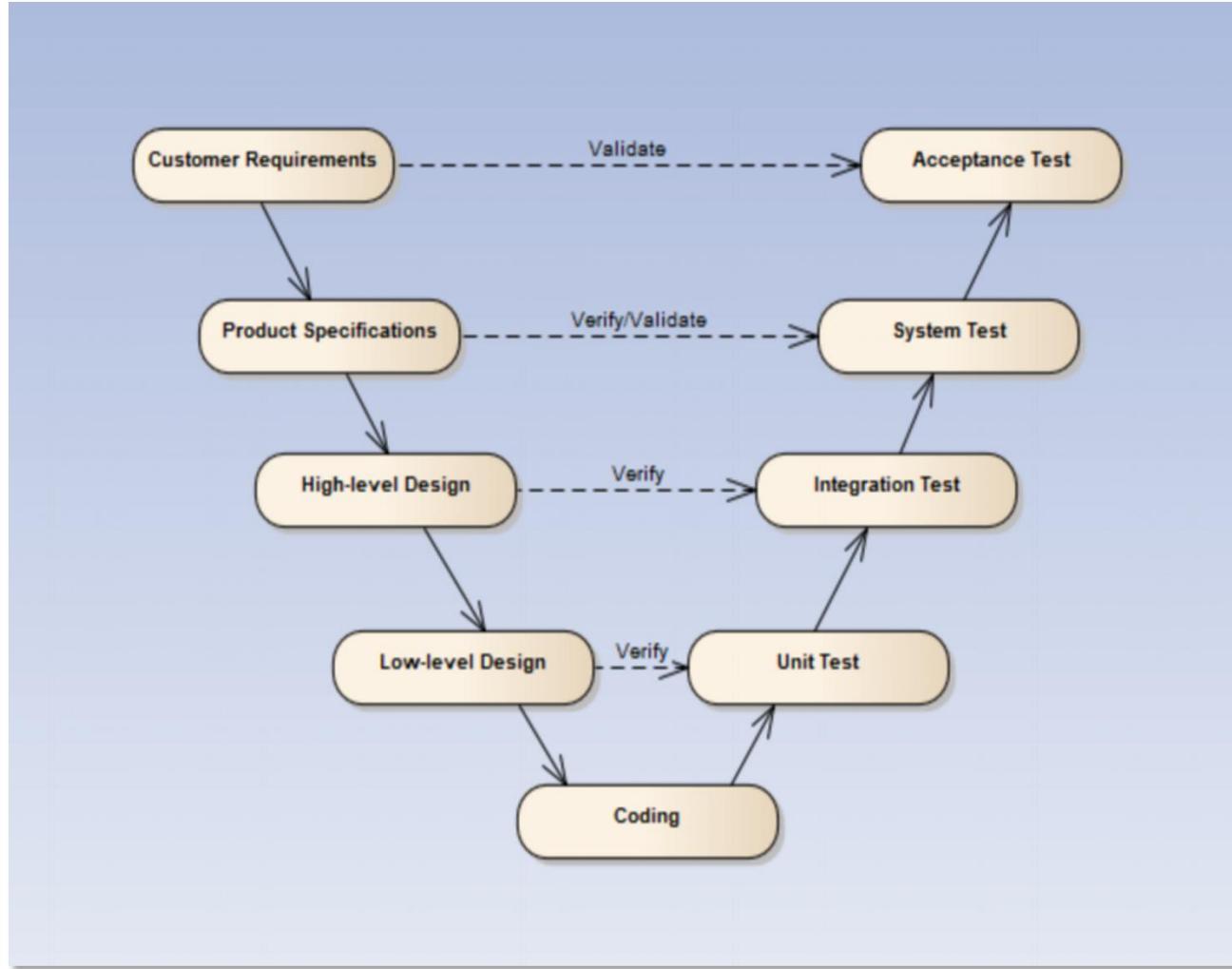


5. Quality Control

品質管理

..品質管理





V-model process

5.1 Review

5.1.1 Project Plan

5.1.2 SRS

5.1.3 Design

5.1.4 Code

5.1.5 Test Document

5.2 Testing

5.2.1 Test Process

5.2.2 Test Report

5.1 Review – レビュー

Self-review



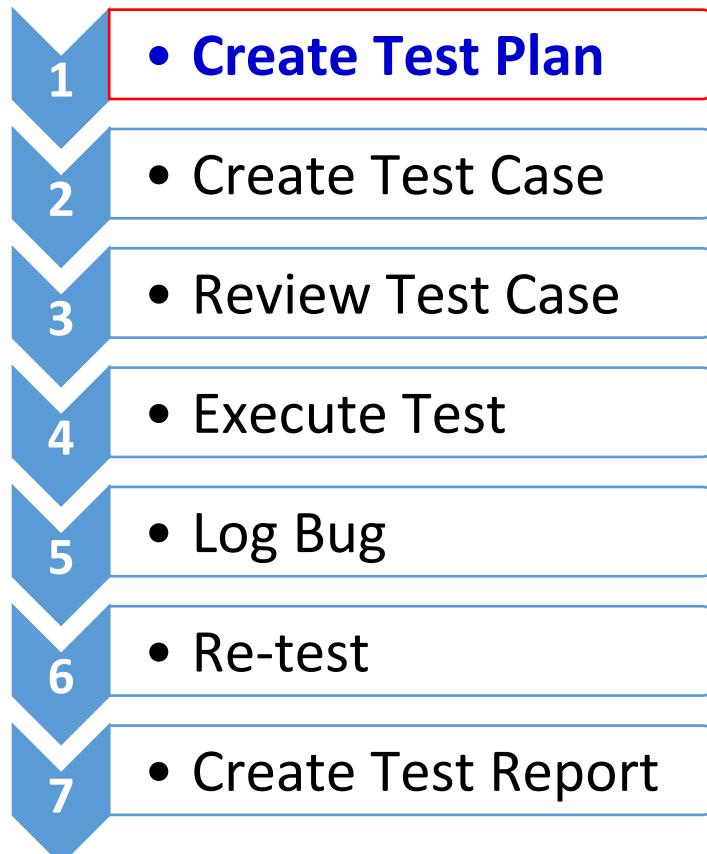
PM review



Peer review

5.2 Test Process

テストのプロセス

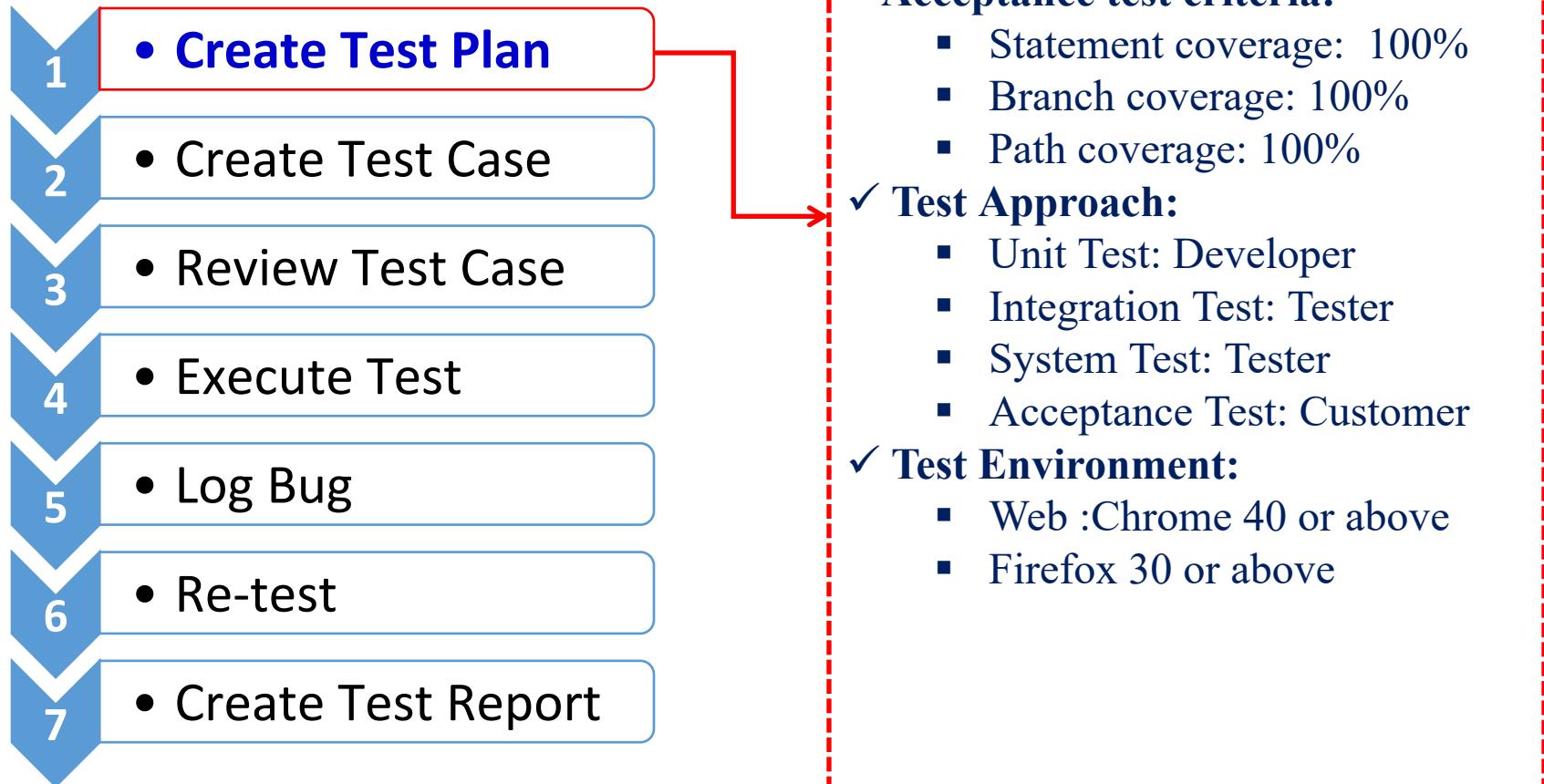


Base on Project Plan, Project Schedule , SRS to create test plan:

- ❖ Features to be tested
- ❖ Acceptance Test Criteria
- ❖ Environment
- ❖ Schedules
- ❖ Responsibilities
- ❖ Risks and contingencies
- ❖ ...

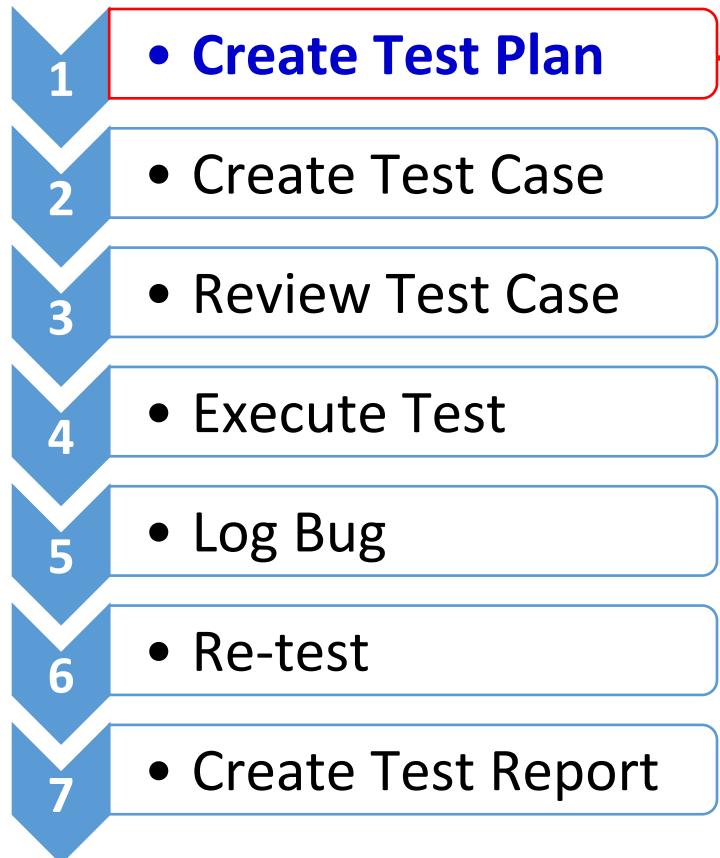
5.2 Test Process

テストのプロセス



5.2 Test Process

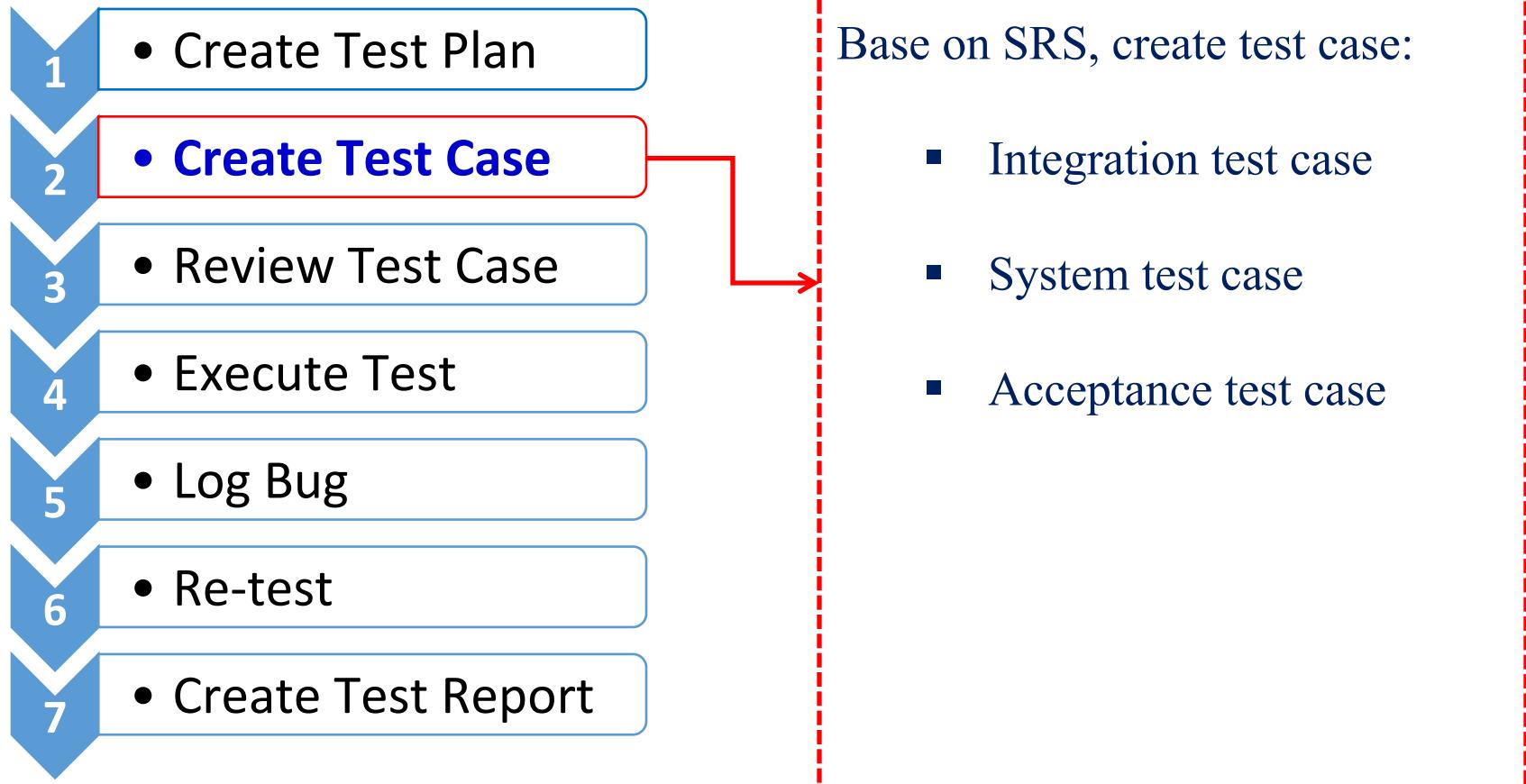
テストのプロセス



Milestone Task	Effort (pd)	Start Date	End Date
Create Test Plan	6	18/10/2017	25/10/2017
Create Integration Test case	3	06/11/2017	08/11/2017
Review & Update Integration Test Case	1	10/11/2017	10/11/2017
Create System Test case	3	30/10/2017	01/11/2017
Review & Update System Test Case	2	03/11/2017	03/11/2017
Execute Integration test phase 1	2	13/11/2017	17/11/2017
Execute Integration test phase 2	2	24/11/2017	26/11/2017
Execute Integration test phase 3	2	03/12/2017	05/12/2017
Execute System test phase 1	3	13/11/2017	15/11/2017
Execute System test phase 2	3	27/11/2017	29/11/2017

5.2 Test Process

テストのプロセス



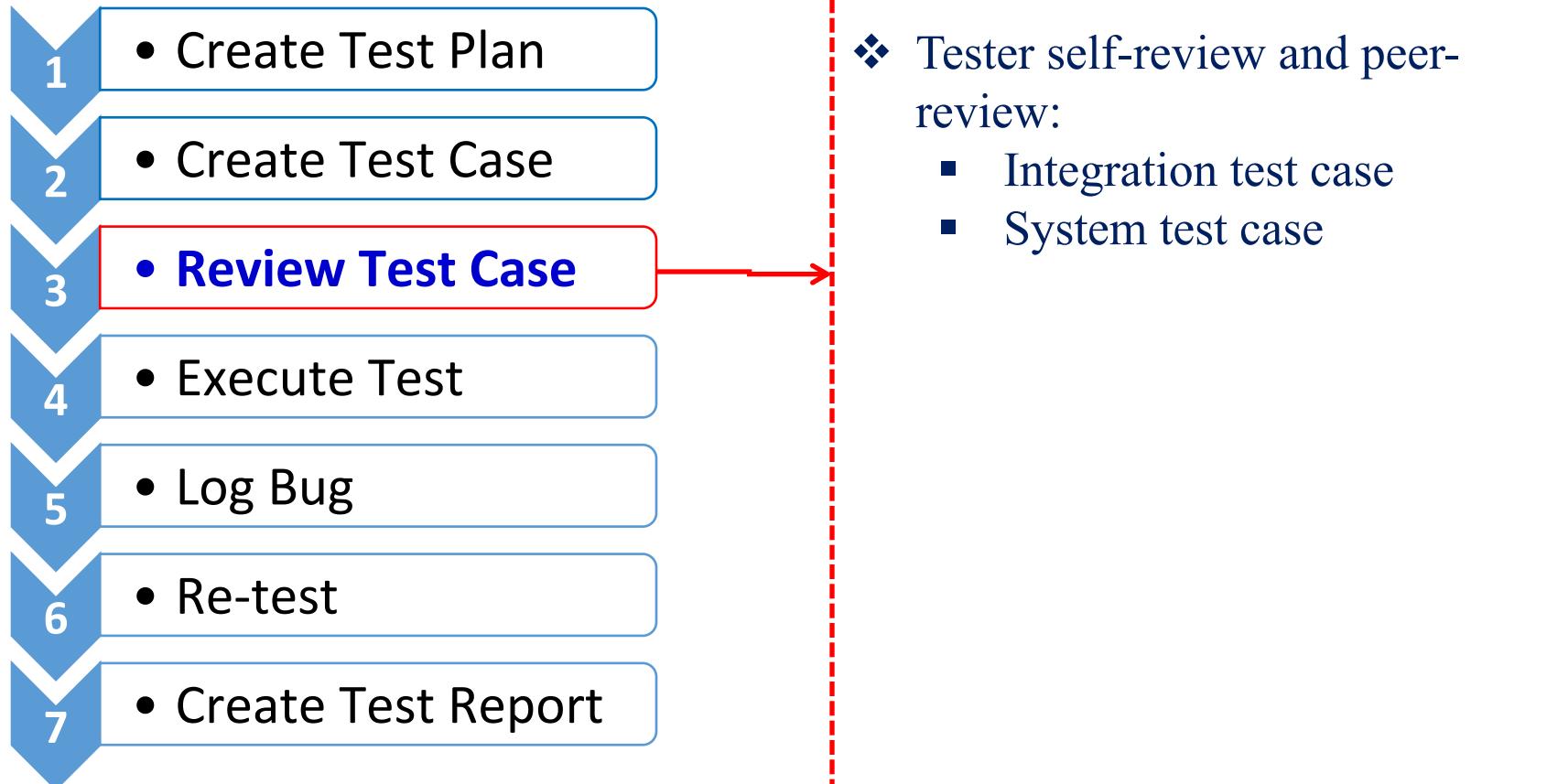
System test case

システムテストケース

Back to Test Report					
Module Code	Admin Login Module				
Test requirement	This test cases were created to test Admin Login module.				
Tester	Phuonghase03715				
Pass	Fail	Untested	N/A	Number of Test cases	
0	0	64	0	64	
ID	Test Case Description	Test Case Procedure	Expected Output	Result Chorme version 40	Result Firefox version 30
Log in					
[Admin Login Module-2]	Test Login View in 1366x768 screen resolution	1. Enter the website:	1. The login page view form is displayed with the		
[Admin Login Module-3]	Test Login View in 1024x768 screen resolution	1. Enter the website:	1. The login page view form is displayed with the		
[Admin Login Module-4]	Verify that password is encoded	1. Enter the login page	1. The login page is displayed		
[Admin Login Module-5]	When user input correct email and password	1. Enter the login page	1. The login page is displayed		
[Admin Login Module-6]	When user input only username to login	1. Enter the login page	1. The admin page is displayed		
[Admin Login Module-7]	When user input only password to login	1. Enter the login page	1. The admin page is displayed		
[Admin Login Module-8]	When user input correct email and wrong password	1. Enter the login page	1. The login page is displayed		
[Admin Login Module-9]	When user input wrong email and correct password	1. Enter the login page	1. The login page is displayed		
[Admin Login Module-10]	When user input wrong email and wrong password	1. Enter the login page	1. The login page is displayed		
[Admin Login Module-11]	When user input wrong email format	1. Enter the login page	1. The login page is displayed		
[Admin Login Module-12]	Test "Forgot Password" button	1. Enter the login page	1. The forgot password page view form is		
[Admin Login Module-13]	Test "Forgot Password" button	1. Enter the forgot password page	1. The forgot password page is displayed		
[Admin Login Module-14]	When user input correct email	1. Enter the forgot password page	1. The login page is displayed		
[Admin Login Module-15]	Test "Back to login" button	1. Enter the forgot password page	1. The login page is displayed		

5.2 Test Process

テストのプロセス



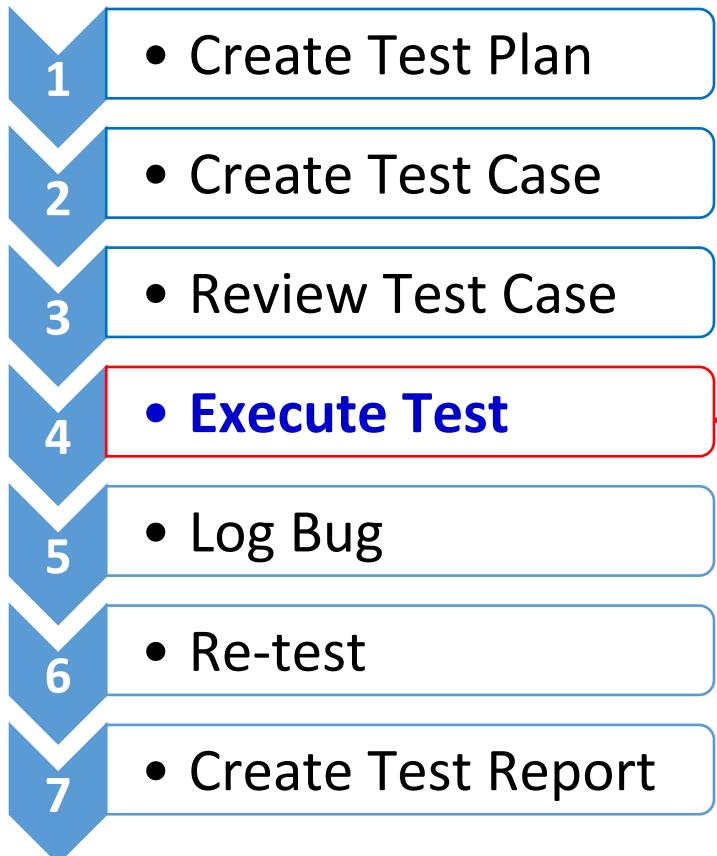
Test case review checklist

テストレビュー

Question	Yes	No	N/A	Note	Priority
DOCUMENT CONTROL					
Verify whether document control procedures have been followed by checking for the following:					
<i>Does the title page contain the document name, version number, release date and issued date?</i>					
<i>Does the header and footer correctly specify the name, and version of the document?</i>					
<i>Does the page – numbering scheme indicate the total number of pages in the document?</i>					
<i>Is the history traceable?</i>					Mandatory
<i>Does it include list of reference documents?</i>					
<i>Are all documents checked Spelling and Grammar in MS Word or similar tools?</i>					
TEST CASE REVIEW CHECKLIST					
Do test cases cover all requirements?					Mandatory
Do test cases cover all Testing types described in Test plan?					Mandatory
Has each test case been assigned a test case identifier?					Mandatory
Does each test case specify:					
<i>Actions</i>					Mandatory
<i>Test condition</i>					Mandatory
<i>Expected result</i>					Mandatory
Have the expected results been recorded in detail?					Mandatory
Do test cases for field validations, record validations and database updates include the following?					
<i>Valid conditions</i>					Mandatory
<i>Invalid conditions</i>					Mandatory
<i>Boundary or unusual conditions</i>					Mandatory

5.2 Test Process

テストのプロセス



Tester execute test case follow phase:

- Integration testing
- System testing

Execute test case

テストケースの実行

ID	Test Case Description	Test Case Procedure	Expected Output	Inter-test case Dependence	Result Chorme version 40
Manage Account					
[Account Management-2]	Test Manage account Page view in 1366x768	1. Login the admin page	1. Manage Account displayed with:		
[Account Management-3]	Test Manage account Page view in 1024x768	1. Login the admin page	1. Manage Account displayed with:		
[Account Management-4]	Test Manage account Page when user is not	1. Go to	1. Login Page is displayed		
[Account Management-5]	Test Phone Number search button without	1. Enter the manage account page	1. Account list table is displayed with empty		
[Account Management-6]	Test Phone Number search button when input	1. Enter the manage account page	1. Account list table is displayed with empty		
[Account Management-7]	Test Phone Number search button when input	1. Enter the manage account page	1. Account list table is displayed with account contain		
[Account Management-8]	Test Role drop down list	1. Enter the manage account page	1. Account list table is displayed with customer role		
[Account Management-9]	Test Role drop down list	1. Enter the manage account page	1. Account list table is displayed with staff role		
[Account Management-10]	Test Lock/Unlock button in Account list table	1. Enter the manage account page	1. Account list table displayed		
[Account Management-11]	Test Update button in Account list table,	1. Enter the manage account page	1. Staff information page displayed with:		
[Account Management-12]	Test update button without input StaffName	1. Enter the Staff information Page	1. Staff information page is displayed		
[Account Management-13]	Test update button without input Password	1. Enter the Staff information Page	1. Staff information page is displayed		
[Account Management-14]	Test update button without input Address	1. Enter the Staff information Page	1. Staff information page is displayed		
[Account Management-15]	Test update button without input Phone	1. Enter the Staff information Page	1. Staff information page is displayed		
[Account Management-16]	Test update button without input Email	1. Enter the Staff information Page	1. Staff information page is displayed		
[Account Management-17]	Test update button without input Note	1. Enter the Staff information Page	1. Account list table displayed		
[Account Management-18]	Test browse button	1. Enter the Staff information Page	1. Choose image link displayed		Activ
[Account Management-19]	Test cancel button	1. Enter the Staff information Page	1. Account list table displayed without change staff		

6. Project Result プロジェクト結果



Project summary – プロジェクト要旨

Main objective	Develop a system which will provide to users functionality to collect funding for their project and back to get the amazing products from creative projects.	
Purpose	Provide a bakery store online on website.	
Source repository	https://github.com/sangnvus/201709FallJS01	
	Plan	Actual
Start date	07/09/2017	07/09/2017
End date	25/12/2017	13/12/2017
Release versions	1.0	1.0
Duration	81 days	70 days
Efforts (person day)	405	350
Test cases	1000	1192
Defects	100-200	66
Document pages	~ 3000 pages	~ 3500 pages
Lines of code (nodejs)	~ 10000	~ 15000
Lines of code (HTML)	~ 5000	~ 10000
LOC (Total)	~ 25000	~ 38000

Project summary -プロジェクト要旨

Knowledge:

- Work process of FPT Software to develop a project.
 - Putting the learned knowledge into practice.
 - Improve skills: teamwork, leader-ship, research and self-study, plan and manage time.
 - Technical: Heroku, Nodejs, Javascript
 - Tools: SmartGit, Astah, MS office, Robo 3T, MongoDB, Atom.
-

Lessons Learnt -学んだ教訓

- The success of a project is largely dependent on the skills and strengths of the people involved. Therefore, a project needs to have a dedicated, talented set of individuals working towards a common goal.
- Always disclose information to those, who will need it. This is not the time or place for obtaining an edge over another by keeping crucial data close to your chest. People, who know what is expected of them and have the means of doing so, will play a pivotal role in making the project a success.
- Know what resources are available. Not just those under your purview but those which are at the discretion of other teams. Sometimes, others may be happy to help.
- Be open to change. Sometimes, you may find that the things you knew along may not be correct at this given time, under these specific conditions.
- Good communication is that which will stop mistakes from becoming failures.
- Please think carefully before making a decision because if the wrong decisions you'll have to redo it from scratch.

Limitation & Expectation -制限と期待

Current Limitations	Expectation in Future
<ul style="list-style-type: none">• Website not support for Vietnamese language.• Not support payment methods for people in other countries.• Not support payment by mobile cards and bank card.	<ul style="list-style-type: none">✓ Support multi-language and other payment method such as visa and master card to get funding from people in other countries.✓ Support payment by mobile cards such as Viettel, Mobi, Vina, ...✓ App for Android and IOS which supports members manage their projects and admin can manage system anywhere by smart phone.✓ Expand server to increase number of users.

7. Demo デモ

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Demo - デモ



NEW ARRIVALS

ALL

New



CREAM CHEESE BOX
100000

ADD TO CART

New



CHOCOLATE LOVERS BOX
100000

ADD TO CART

New



FREE FROM BOX
100000

ADD TO CART

New



CHRISTMAS CUPCAKES
100000

ADD TO CART

New



New

New

New



New

New



New

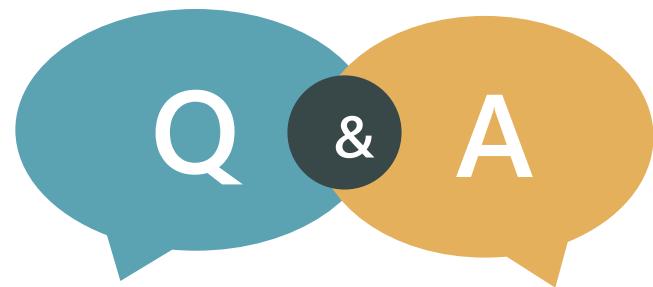
New



New



Q & A - 質問と回 答



THANKS FOR LISTENING
WE'LL BE ANSWERING QUESTIONS
NOW