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G7T9

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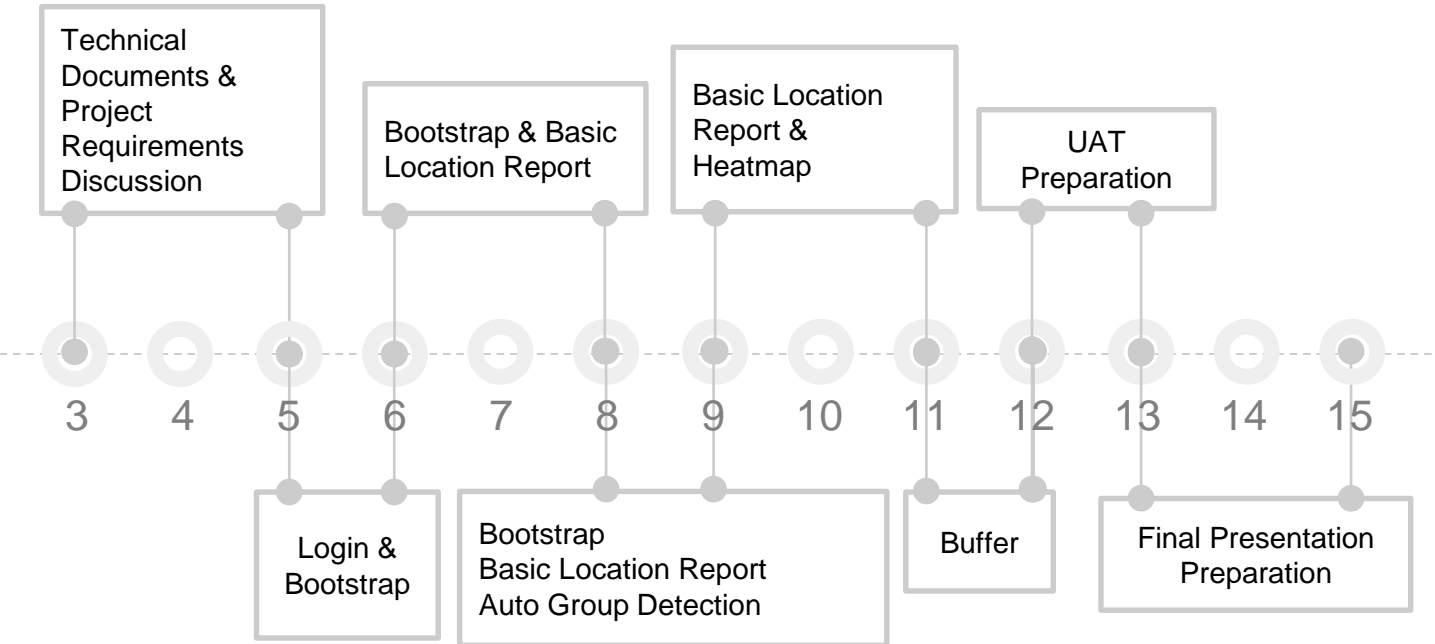
Roles & Responsibilities

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Q&A



Timeline Overview



Functionalities



Tentative Additional Functions

- User Account Controls
(Password Reset, Change Password)
- Password Hashing

Framework

- No Framework Used
- Following MVC Design Pattern

Implemented Functions

- Login/Logout
- Bootstrap
(Demographics/Location-Lookup/Location)

Schedule

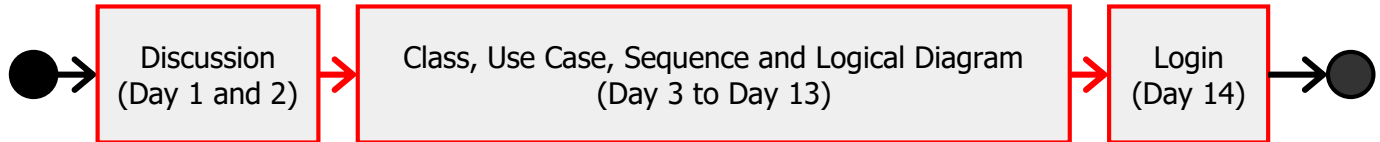


#	Week	Functions	Milestones	PM
1	3 – 4	Documentation		Yigang
2	5	Login & Bootstrap		Xinyi
3	6 – 7	Bootstrap & Basic Location Report	PM Review (4 Oct)	Rainean
4	8	Basic Location Report & Auto Group Detection		Yigang
5	9 – 10	Basic Location Report & Heatmap	In-Class Demo (26 Oct)	Samantha
6	11 – 12	Buffer & UAT Prep	UAT (5 Nov)	Xinyi
7	13 – 14	Final Presentation Preparation	Final Presentation (23 Nov)	Amos



Iteration Analysis

Iteration 1 (2 Weeks)



Iteration 1 Analysis

Main Focus:

Project Wiki Discussion

Creating of Technical Documents

PM: Yigang

Samantha & Xinyi

Rainean & Amos

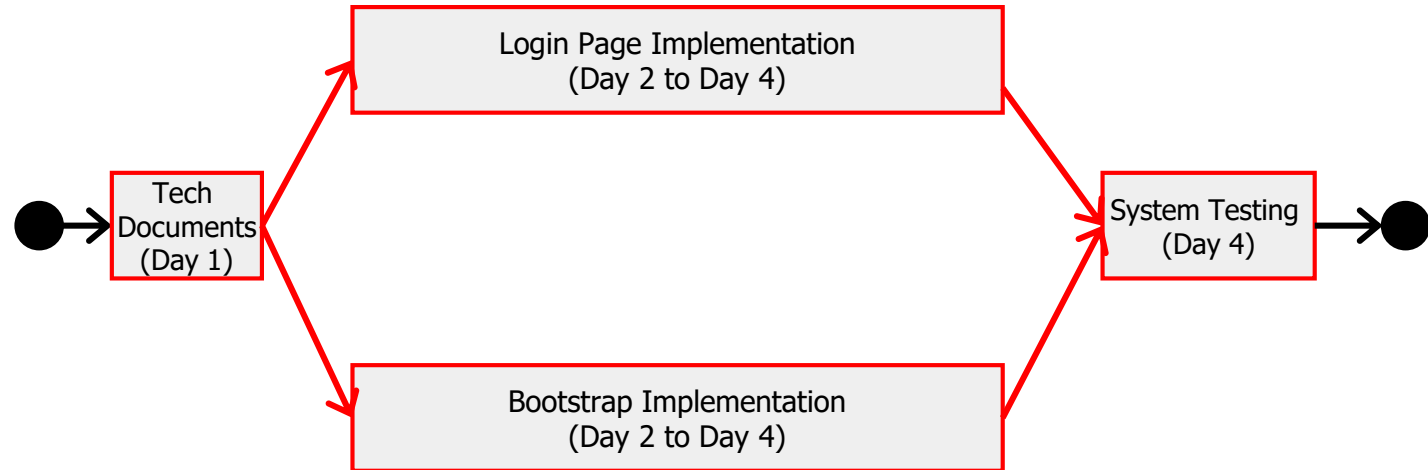
Add On:

Refresher of Java

JSP Introduction



Iteration 2 (1 Week)



Iteration 2 Analysis

Main Focus:

Complete Login Page

Bootstrap (Upload Demographics.csv)

PM: Xinyi

Amos & Samantha (Bootstrap)

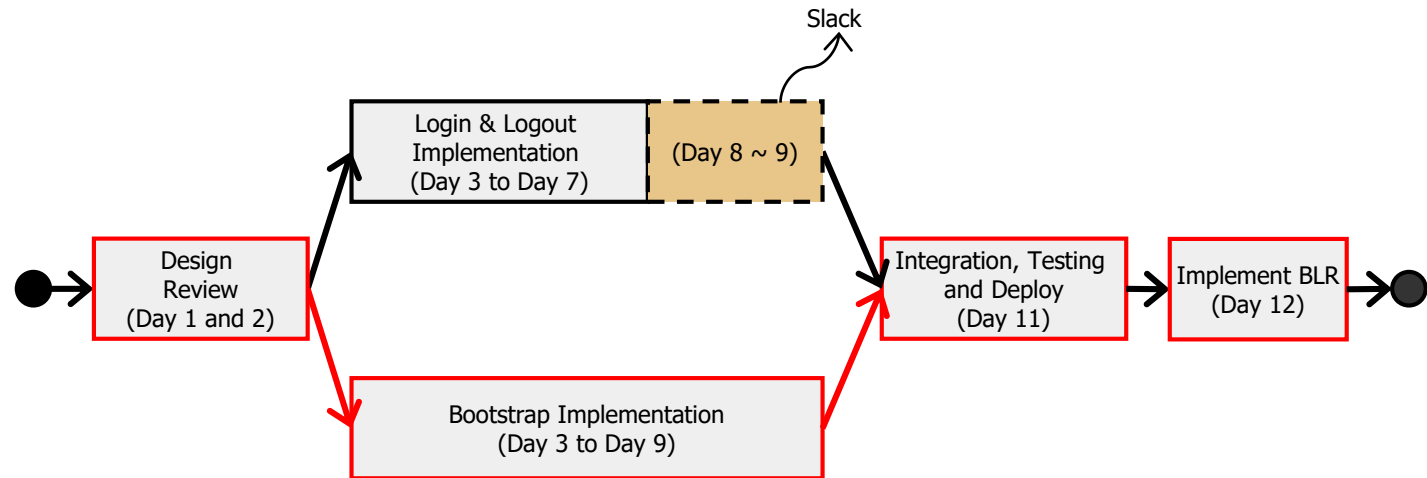
Raineau & Yigang (Login)

Pitfall:

Login added as a task in the next iteration due to task underestimation



Iteration 3 (2 Weeks)



Iteration 3 Analysis

Main Focus:

Complete Login & Continue Bootstrap

PM: Rainean

Amos & Xinyi (Bootstrap)

Yigang & Samantha (Login, Bootstrap assist)

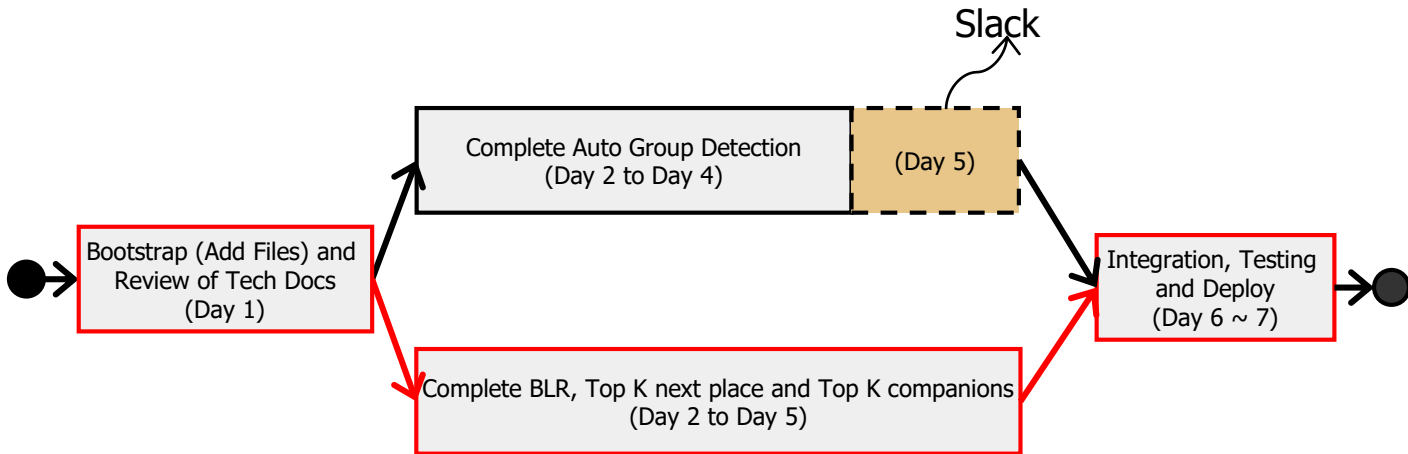
Milestone: PM Review

Pitfall:

Bootstrap (Additional Data) will not be completed by this iteration



Iteration 4 (1 Week)



Iteration 4 Analysis

Main Focus:

Complete Bootstrap

Top K Companions, Top K Next Places

Auto Group Detection

PM: Yigang

Rainean & Xinyi (Top K)

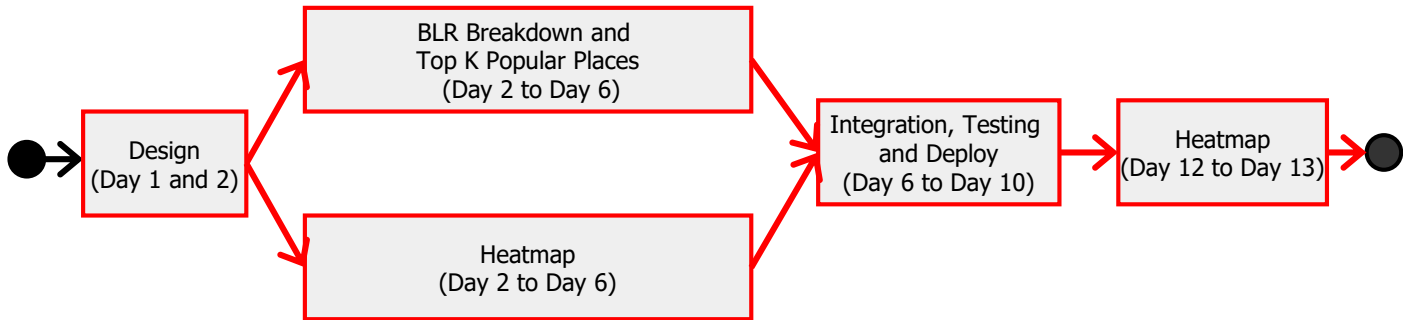
Amos & Samantha (Bootstrap, AGD, Top K Assist)

Pitfall:

Basic Location Report will not be
completed by Iteration 4



Iteration 5 (2 Weeks)



Iteration 5 Analysis

Main Focus:

BLR & Heatmap

PM: Samantha

Amos & Raineau (Heatmap)

Yigang & Xinyi (BLR, Heatmap Assist)

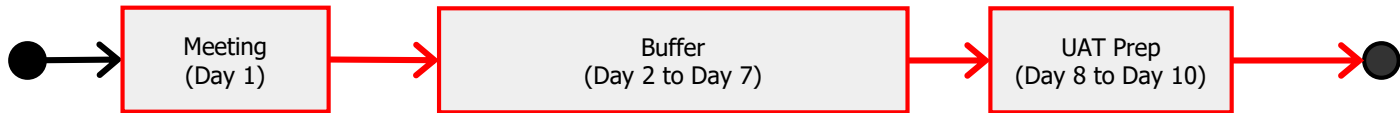
Milestone: In Class Demo

Add On:

Heatmap displayed in graphical format



Iteration 6 (2 Weeks)



Iteration 6 Analysis

Main Focus:

Buffer and finalize project

PM: Xinyi

Amos & Yigang

Rainean & Samantha

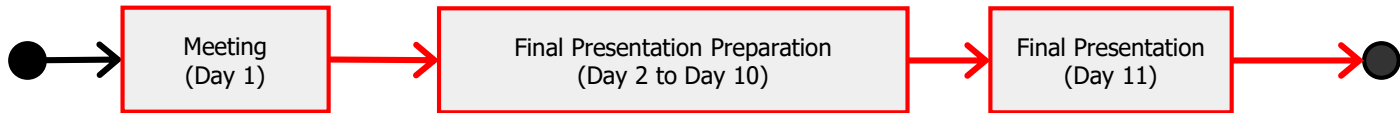
Milestone: UAT

Pitfall: Insufficient Buffer Time

Add On: Implement additional functions
that were considered



Iteration 7 (2 Weeks)



Iteration 7 Analysis

Main Focus:

Final Presentation Preparation

PM: Amos

Xinyi & Samantha

Rainean & Yigang

Milestone: Final Presentation





Metrics

Task Metric



Score(%)	Action
TM < 50	<ol style="list-style-type: none">1. Immediately, inform your supervisor about the slip within 24 hours.2. Then use the same mitigation as the category 50 < TM < 90 and seriously consider dropping tasks.
50 < TM <= 90	<ol style="list-style-type: none">1. Re-estimate the tasks for the future iterations.2. Deduct the number of days behind schedule from buffer days.3. If there is no more buffer day, decide the functionalities to drop.
90 < TM <= 110	<p>Our estimates are fairly accurate, and we are roughly on track.</p> <ol style="list-style-type: none">1. Add/Deduct the number of days behind schedule from buffer days.2. If there is no more buffer day, decide the functionalities to drop
110 < TM <= 150	<p>Gross over-estimated the effort required.</p> <ol style="list-style-type: none">1. Re-estimate the tasks for the future iterations.2. Add the number of days gained to buffer days.
150 < TM	<ol style="list-style-type: none">1. Immediately, inform your supervisor about the slip within 24 hours.2. Then use the same mitigation as the category 110 < SM < 150

Task Metric



Iteration	Score (%)	Action
1	120	Gross Over Estimation of Effort Technical documents took shorter than expected. We will plan for shorter duration for technical documents in the future which will provide us more time for other tasks.
2	80	Gross Under Estimation of Effort Programming duration took longer than expected. We will take into account the pair programmers' abilities and plan for longer PP sessions which will provide us with a more realistic view of our timeline.
3	-	

Task Metric



Iteration	Planned Tasks	Completed Tasks
1	5	6 ▲
2	5	4 ▼
3	22	16 as of now

Bug Metric



Severity	Description
Low Impact (1 points)	Unimportant. Typo error or small user interface alignment issues.
High Impact (5 points)	The system runs. However, some non-critical functionalities are not working.
Critical Impact(10 points)	The system is down or is un-usable after a short period of time. We have to fix the bugs to continue.

Bug Metric



Points in Iteration	Action
Points=≤ 5	Fix during buffer time only.
$5 < \text{Points} < 10$	Use the planned debugging time.
Points≥ 10	Stop current development and resolve the bug immediately. Project Manager reschedules the project.

Bug Metric



Iteration	Score	Action
1	0	None. Continue with development
2	0	None. Continue with development
3	16	Prioritize bugs to be fixed during next PP session.

Bug Metric (Iteration 3)



Feature	Bug Feature	Bug Severity	Found By	Date Found
Login	Typo for retrieveUsernameFromEmail() method	Low (1)	Yigang	1 st Oct
	Unable to login with correct username and password	High (5)	Yigang	
	Admin gets stuck at a blank authenticate.jsp	Critical (10)	Samantha	
Bootstrap	AWS bootstrap shows filepath not found error			5 th Oct



Project Planning

Roles & Responsibilities



Project Manager	Pair Programmers
Complete minutes Ensure documents are pushed to git	Code during scheduled pair programming sessions
Proper takeover from previous PM, proper hand over to next PM	Every PP session: Pull at the start, commit during, push at the end
Keep updated with the progress of pair programmers	Inform PM before pushing codes
Ensure the team is on track and detailed schedule is up to date, adjust accordingly	Upload PP picture, submit commit ID on detailed schedule

PM to Milestone Matching



Milestone	PM
PM Review	Rainean
In-Class Demo	Samantha
UAT	Xinyi
Final Presentation	Amos

Pair Programming - Rotation Plan



Week	PM	Pair 1	Pair 2
Week 3 - Week 4	Yigang	Amos & Rainean	Samantha & Xinyi
Week 5	Xinyi	Rainean & Yigang	Amos & Samantha
Week 6- Week 7	Rainean	Amos & Xinyi	Samantha & Yigang
Week 8	Yigang	Rainean & Xinyi	Amos & Samantha
Week 9 - Week 10	Samantha	Amos & Rainean	Xinyi & Yigang
Week 11 - Week 12	Xinyi	Amos & Yigang	Rainean & Samantha
Week 13 - Week 14	Amos	Samantha & Xinyi	Rainean & Yigang



Q & A