



XRAYS

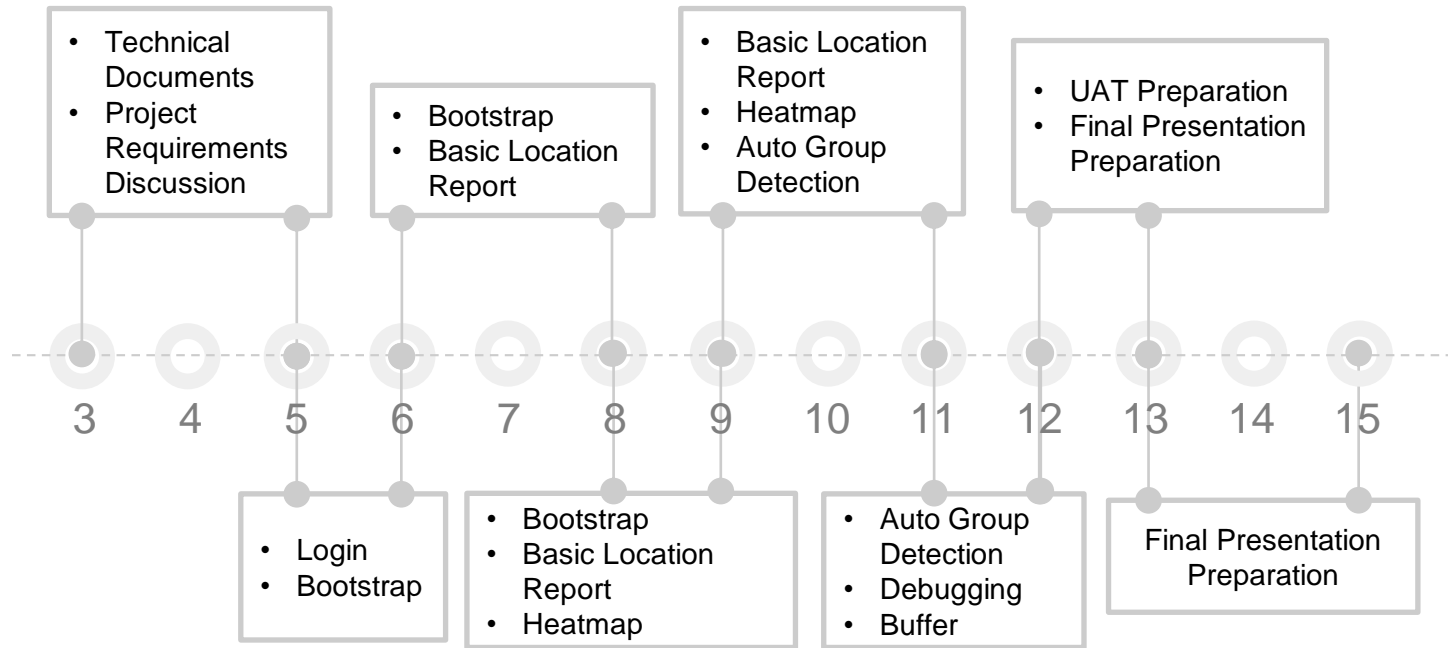
Online Demo

G7T9

Agenda

- × Timeline Overview
- × Functionalities
- × Schedule
- × Iteration Analysis
- × Metrics
- × Roles & Responsibilities
- × Pair Programming Rotation Plan

1. Timeline Overview





2. Functionalities

Implemented Functionalities	<ul style="list-style-type: none">× Login & Logout× Bootstrap & Additional Data Upload× Basic Location Report - Top K Popular Places× Heatmap
Functionalities In Progress	<ul style="list-style-type: none">× Basic Location Report - Breakdown× Basic Location Report - Top K Companions× Basic Location Report - Top K Next Place
Add On Functionalities	<ul style="list-style-type: none">× Dashboard (Allow user to truncate each single database table)

3. Schedule



#	Week	Tasks	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 & Heatmap		Yigang
5	9 - 10	Basic Location Report, Heatmap & Auto Group Detection	In-Class Demo (26 Oct)	Samantha
6	11 - 12	Auto Group Detection, Deployment, Buffer, UAT Prep & Final Presentation Preparation	UAT (5 Nov)	Xinyi
7	13 - 14	Final Presentation Preparation	Final Presentation (23 Nov)	Amos



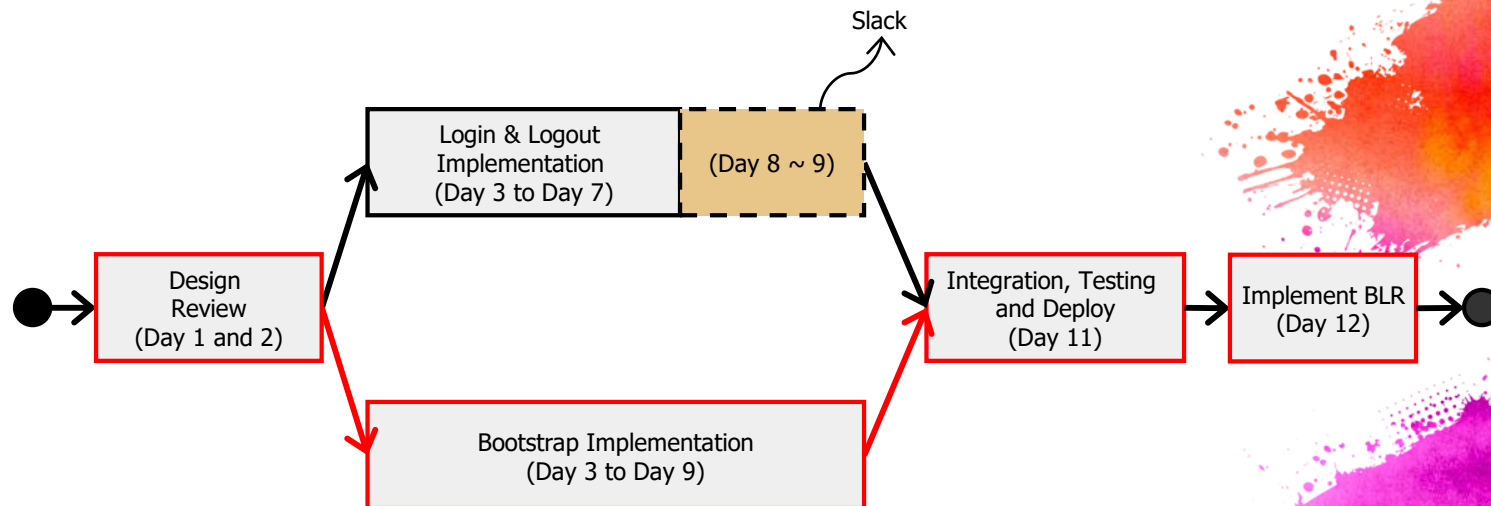
Since the PM
Review...



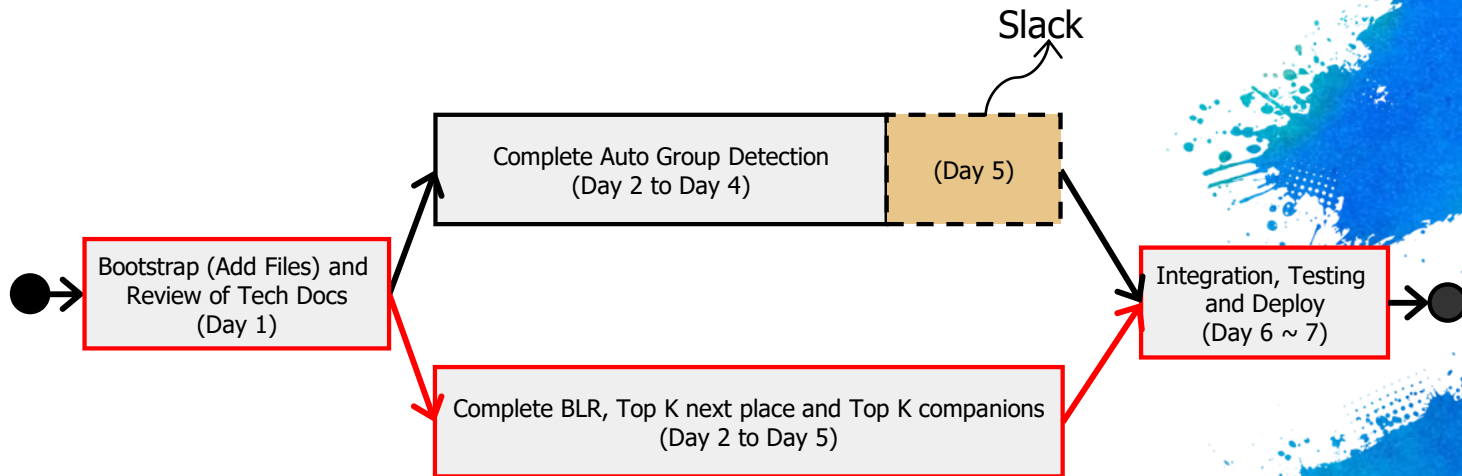
4.

Iteration Analysis

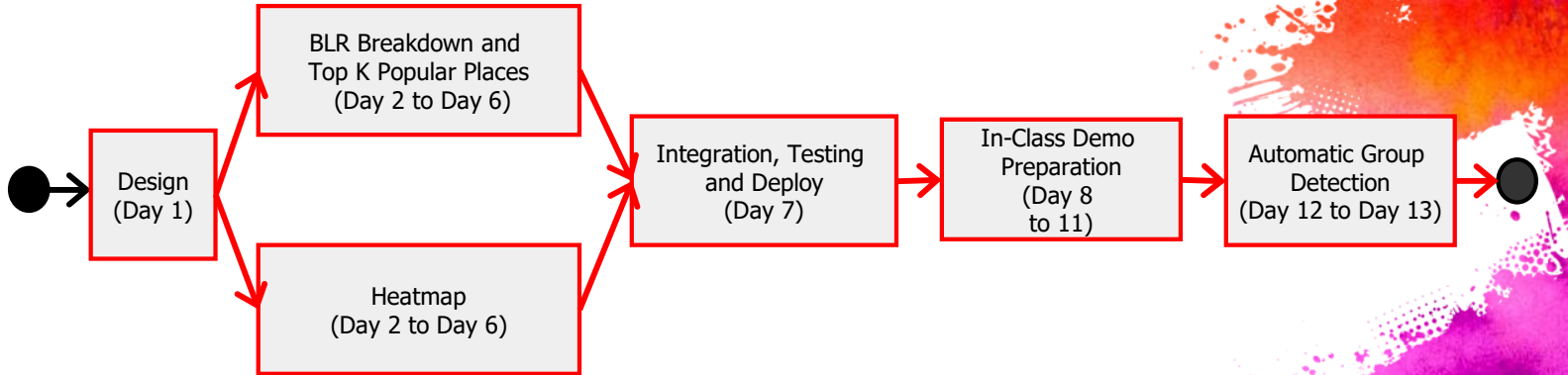
Iteration 3



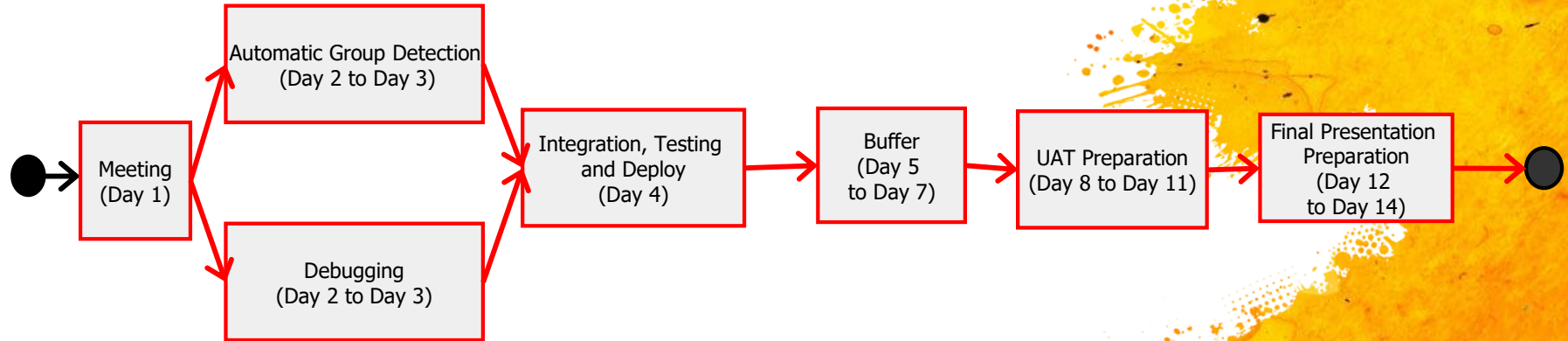
Iteration 4



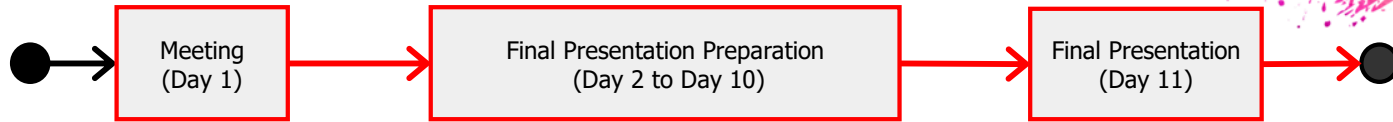
Iteration 5



Iteration 6



Iteration 7





5. Task Metrics

Iteration No.	Planned Tasks	Completed Tasks	Score (%)	Reflection	Action
3	22	20	90.0	Basic Location Report(Top K Next Places) was pushed to the next iteration, as we underestimated for iteration 3.	We will maintain the number of pp sessions as we were on track.
4	33	23	69.6	During recess week, we decided to work on heatmap instead of AGD because: 1) we got stuck at AGD logic 2) we wanted to use heatmap as our functionality for in class demo Hence the low completed task score. We reflected upon it and have made changes to iteration 5 and 6 accordingly.	We added more BLR and AGD pp sessions in future iterations. Hence we took 3 days off our initial buffer days.
5	53	22 as of now	-	Currently going well and as planned. We have managed to salvage for the under estimation from iteration 4.	-



5. Bug Metrics

Iteration No.	Score	Action
3	21	Prioritize bugs to be fixed during next PP session.
4	34	Bugs found at the end of current iteration. Since the score only reached more than 10 on the last day of the iteration, we couldn't adjust the current iteration anymore. Thus, we added debugging sessions in the next iteration.
5	21 (as of now)	PM reschedules project with debugging sessions as priority before continuing with the current iteration.



5. Bug Metrics (Iteration 3)

Feature	Bug Feature	Bug Severity (Score)	Found By	Date Found
Log In	Typo for retrieveUsernameFromEmail() method	Low (1)	Yigang	1 st Oct
	Unable to login even with correct username and password	High (5)	Yigang	
	Admin gets stuck at a blank authenticate.jsp	Critical (10)	Samantha	
Bootstrap	Unable to create folder when deployed to AWS	High (5)	Amos	6 th Oct



5. Bug Metrics (Iteration 4)

Feature	Bug Feature	Bug Severity (Score)	Found By	Date Found
Auto Group Detection, Top K Companions, Top K Next Places	Dropdown for user logout not working	Low (1) x 3	Rainean	14 th Oct
Top K Companions and Top K Next Places	Submit button missing	High (5) x 2	Rainean	15 th Oct
Top K Companions and Next Places	Gets stuck at the controller page	Critical (10) x 2	Yigang	15 th Oct
Top K Next Places	Does not show ties in rank	Low (1)	Xinyi	15 th Oct



5. Bug Metrics (Iteration 5)

Feature	Bug Feature	Bug Severity (Score)	Found By	Date Found
Top K Popular Place	Input time of 12:00:00 gets converted into 00:00:00	High (5)	Amos	19 th Oct
Top K Popular Place	If input date time does not have data, page gets stuck at controller	Critical (10)	Yigang	19 th Oct
Heatmap	Considers location updates outside the 15 min query window	High (5)	Samantha	19 th Oct
Heatmap	Results don't show density 0	Low (1)	Samantha	19 th Oct

6. Roles & Responsibilities

Who did what?

Member	Programming	Non-Programming
Xinyi	<ul style="list-style-type: none">× Bootstrap (Import & Validation)× Basic Location Reports (Breakdown, Top K Companions, Top K Next Places, Top K Popular Place)× System Integration× Debugging	<ul style="list-style-type: none">× Initial discussion for project× Initial documents creation× Review system design× Review technical documents× Preparation for Milestones (PM Review, Online Demo)× Testing (Unit, System Integration, Regression)× AWS Deployment

6. Roles & Responsibilities

Who did what?

Member	Programming	Non-Programming
Raineau	<ul style="list-style-type: none">× Login Page× Bootstrap (Import)× Basic Location Reports (Breakdown, Top K Companions, Top K Next Places, Top K Popular Place)× Integration (Top K Companions, Top K Next Places, AGD)× Debugging	<ul style="list-style-type: none">× Initial discussion for project× Initial documents creation× Review system design× Review technical documents× Preparation for Milestones (PM Review, Online Demo)× Testing (Unit, System Integration)× AWS Deployment

6. Roles & Responsibilities

Who did what?

Member	Programming	Non-Programming
Amos	<ul style="list-style-type: none">× Bootstrap (Import, Validate, Logic)× Login Page× Basic Location Reports (Breakdown, Top K Popular Place)× AGD× Heatmap× Debugging	<ul style="list-style-type: none">× Initial discussion for project× Initial documents creation× Review system design× Review technical documents× Preparation for Milestones (PM Review, Online Demo)× System Integration & Regression Testing× AWS Deployment× Testing (Unit, System Integration)



6. Roles & Responsibilities

Who did what?

Member	Programming	Non-Programming
Yigang	<ul style="list-style-type: none">× Login Page× Bootstrap (Import, Validate)× Basic Location Reports (Top K Next Places, Breakdown, Top K Popular Place)× Debugging	<ul style="list-style-type: none">× Initial discussion for project× Initial documents creation× Review system design× Review technical documents× Preparation for Milestones (PM Review, Online Demo)× AWS Deployment× Create Test Cases (Bootstrap, Top K Companions, Top K Next Places)× Testing (Unit, System Integration, Regression)



6. Roles & Responsibilities

Who did what?

Member	Programming	Non-Programming
Samantha	<ul style="list-style-type: none">× Bootstrap (Import, Validate, Logic)× Login Page× AGD× Heatmap× Debugging	<ul style="list-style-type: none">× Initial discussion for project× Initial documents creation× Review system design× Review technical documents× Create Test Case (Bootstrap)× Preparation for Milestones (PM Review, Online Demo)× AWS Deployment× Testing (Unit, System Integration, Regression)

7. 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

Thank
you!

