

























BUILDING MANAGEMENT SYSTEM

Under the guidance of: **Prof. Fred Strauss**

Presented by: Team D4

Tanmay Chavan Amitkumar Sandesara Deepika T Jangra Bhishma Patel



Status Quo

- Partially Automated process
- Decentralized system



Observations

- Time consumption
- · Retrieval of large data
- Operational cost increment in terms of manpower



Reason for Frustration

- Economical
- Technological
- Psychological



WHY BMS?

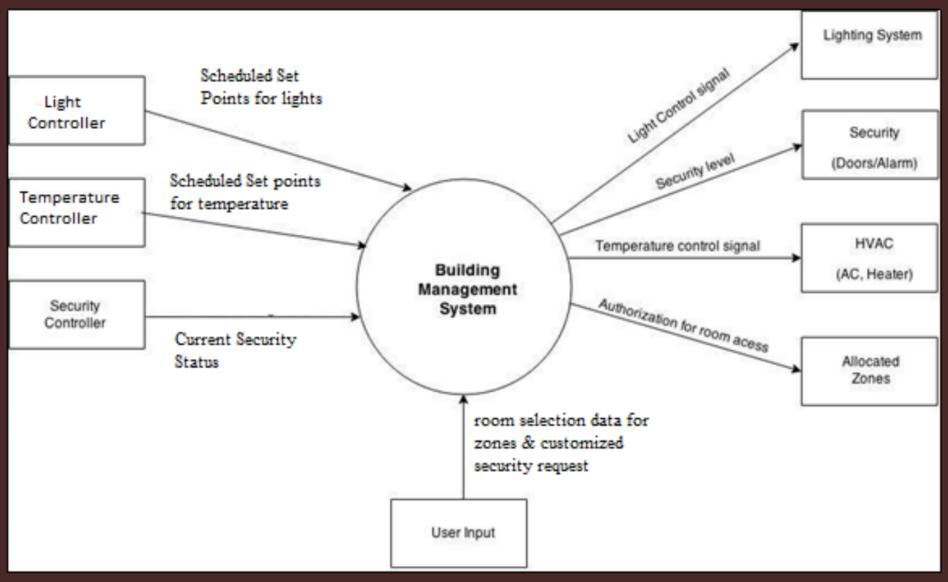
Survey conducted on	No. of commercial premises	Approx. cost to manage
August 2014	~5700	\$210 Billion
December 2015 (estimated)	~6000	\$370 Billion

BUSINESS REQUIREMENTS

- Economy
- Market
- Technology

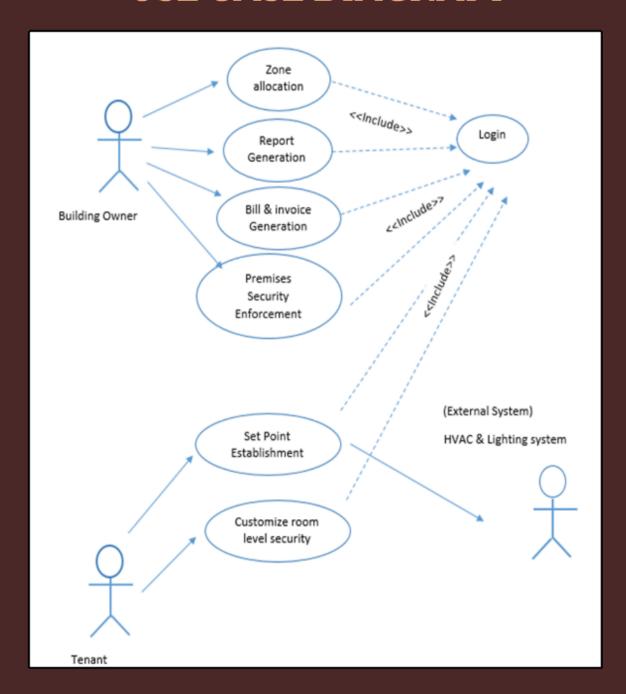


SYSTEM CONTEXT DIAGRAM





USE CASE DIAGRAM



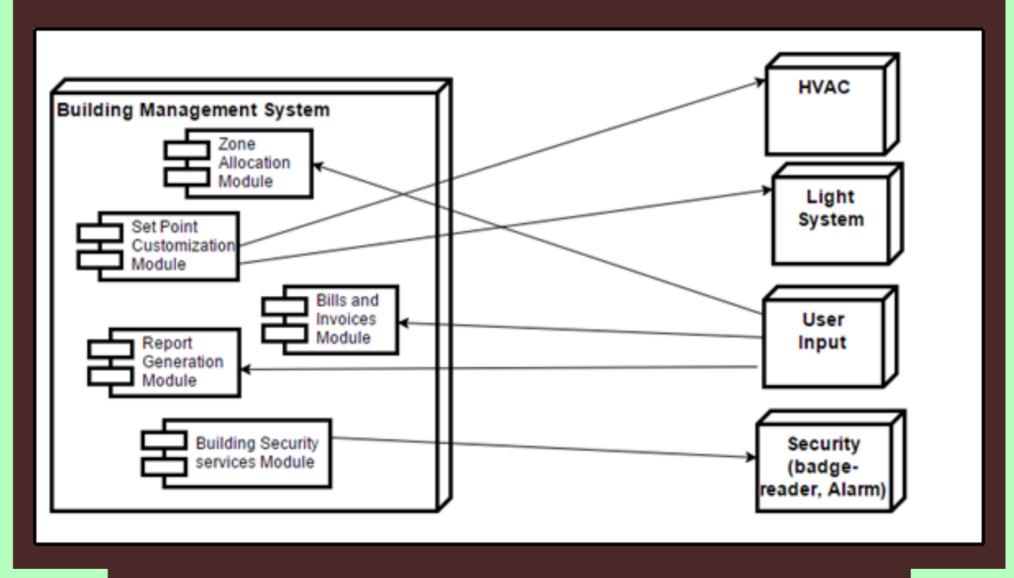


Here is an example how our knowledge and analysis can be turned into an system

NYU Incubators

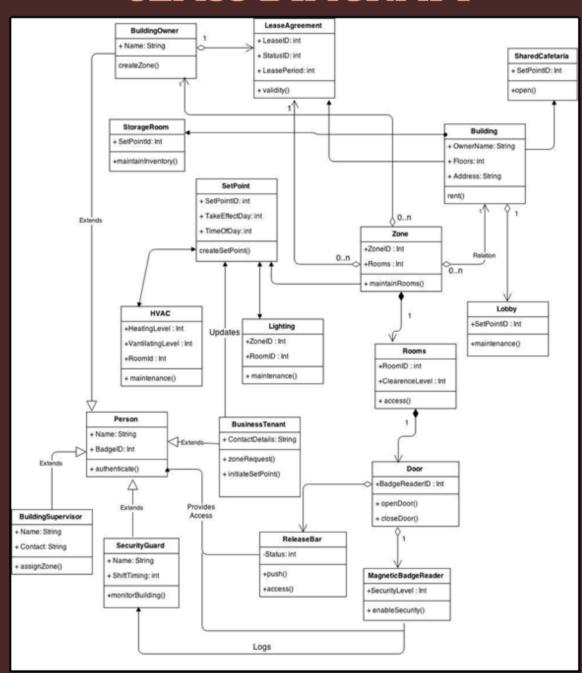


COMPONENT DIAGRAM





CLASS DIAGRAM



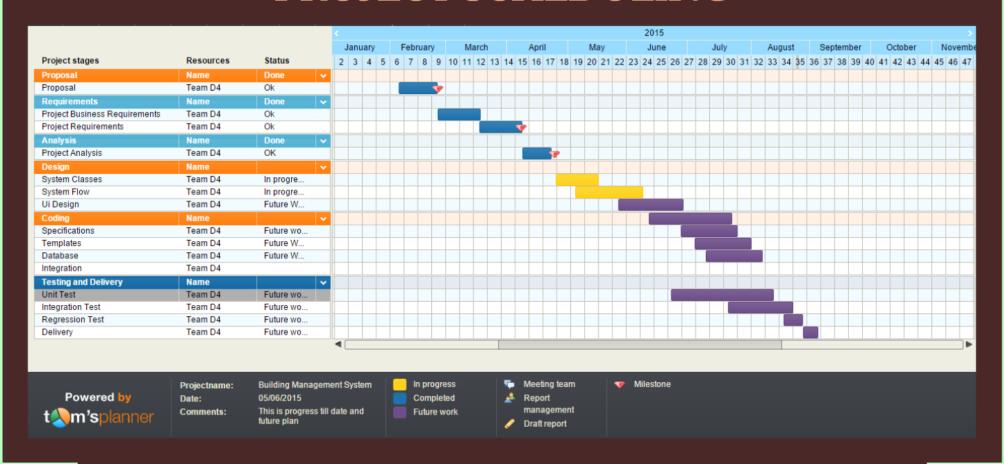


WHY CHOOSE BMS?

- Centralized system to manage various services for tenants
- Facilitates tenants to customize their needs
- Customizable reports
- Anywhere access to the system (via the Internet)
- Competitive advantage



PROJECT SCHEDULING





Post Implementation Review

What we did right	What we did wrong	What we would do differently
Followed KIS principle.	Didn't pay enough attention to minor details in documentation- index page number, formatting in the initial deliverables.	Research more on the best Software Engineering practices in the industry.
Every member of our team was present in our weekly meetings to complete deliverables.	Less face-to-face meetings.	Have more frequent meeting with client.
Detailed analysis of the system.	Did not review after few increments.	Pay more attention to the non- functional requirements as well as better UI experience and testing.



QUESTIONS..??

