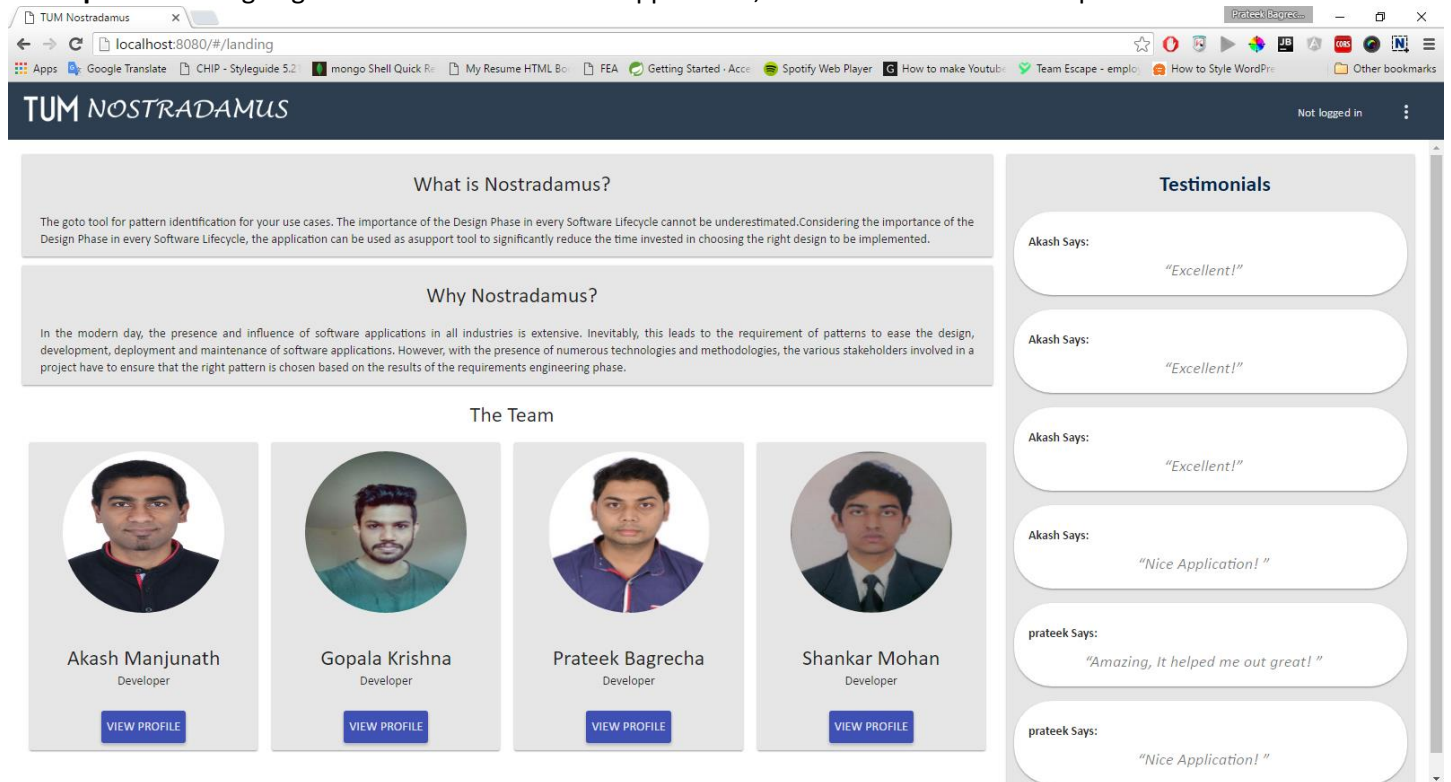


## Use Case 0: Home Page/Landing Page

**Scenario:** Visitor views Landing Page

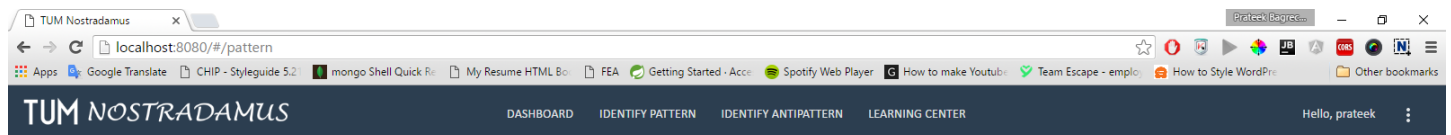
**Description:** Landing Page consists of details of the application, user reviews and founder profiles.



## Use Case 1: Identify Pattern

**Scenario:** Add User Story

**Description:** Add your use case name and description for maintaining history and feedbacks. User are recommended to always give relevant names and description that makes sense for the current requirement in hand.



### Add User Story

ADD YOUR USER STORY

DETERMINE PATTERN

Add a User Story Name and User Story Description that is relevant to you requirement e.g. requirement id, requirement description

User Story Name

Requirement\_id 13/20

User Story Description

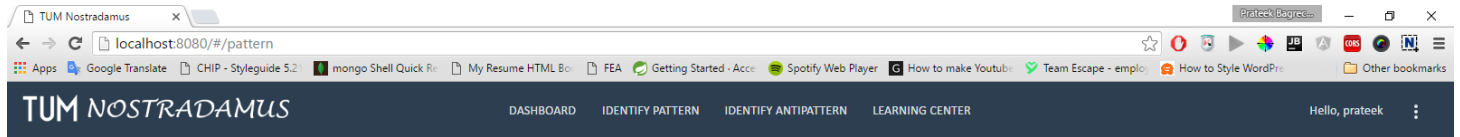
Requirement\_Description

PROCEED

## Use Case 1: Identify Pattern

**Scenario:** Phases to ask questions about the current requirement.

**Description:** Users are requested to answer some questions that figure out the intent of the requirement. Questions are asked in phases. On completion of each phase certain branches of Pattern Classification tree are eliminated and certain are selected. Questions are also considering the role that you're assuming during this process. A progress bar that shows the progress of the all phases is displayed. Once all phases are complete, the results are added to the user's history first and then displayed to the user.

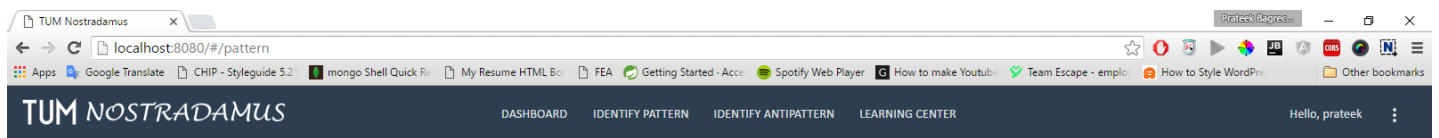


### Phase 1 : Determine Pattern

ADD YOUR USER STORY   **DETERMINE PATTERN**

Please select a relevant goal

- ☐ As a Developer, you are trying to implement a particular requirement and looking for existing solution
- ☐ As a Solution Architect, you are looking design a high-level system using existing solution



### Phase 2 : Determine Design

ADD YOUR USER STORY   DETERMINE PATTERN   **DETERMINE DESIGN**

What is the main objective or essence of the requirement ?

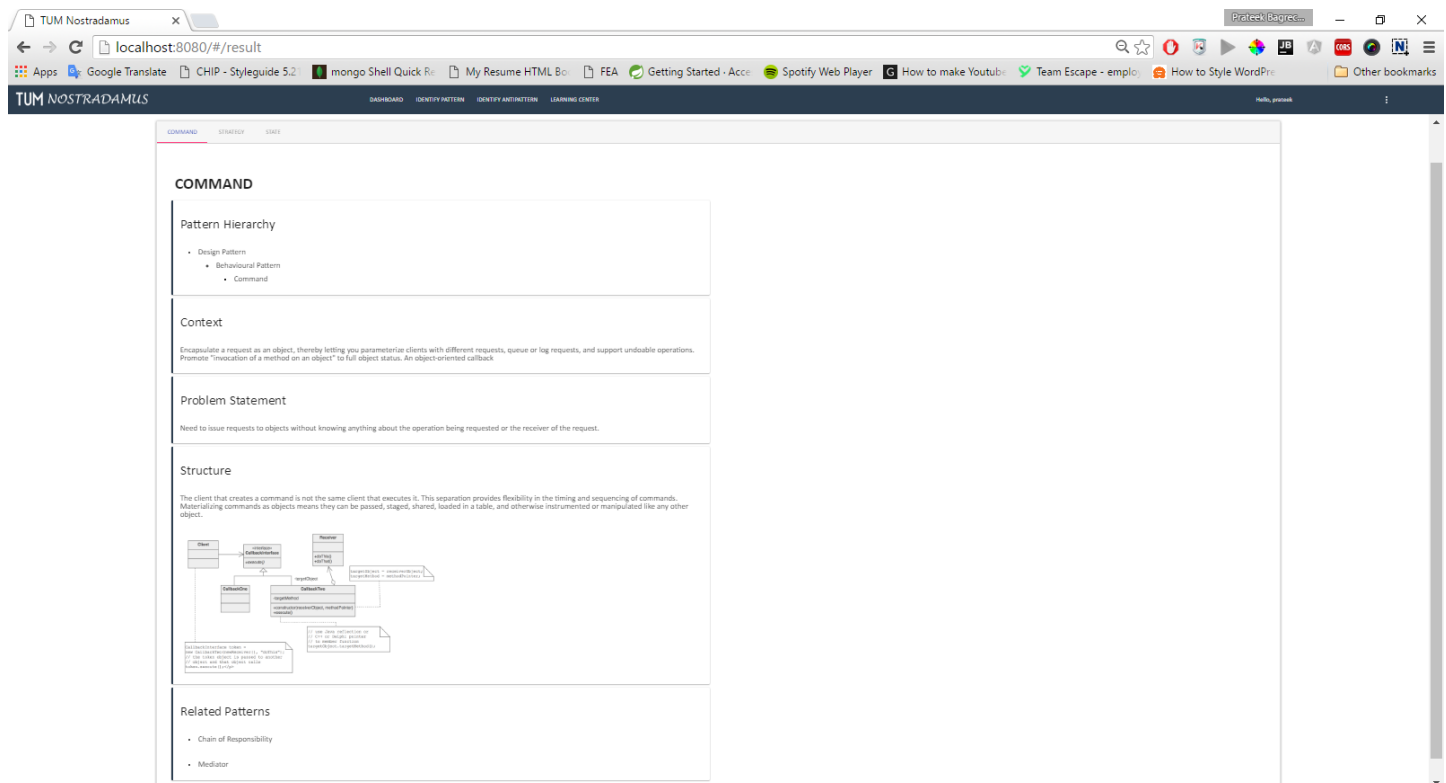
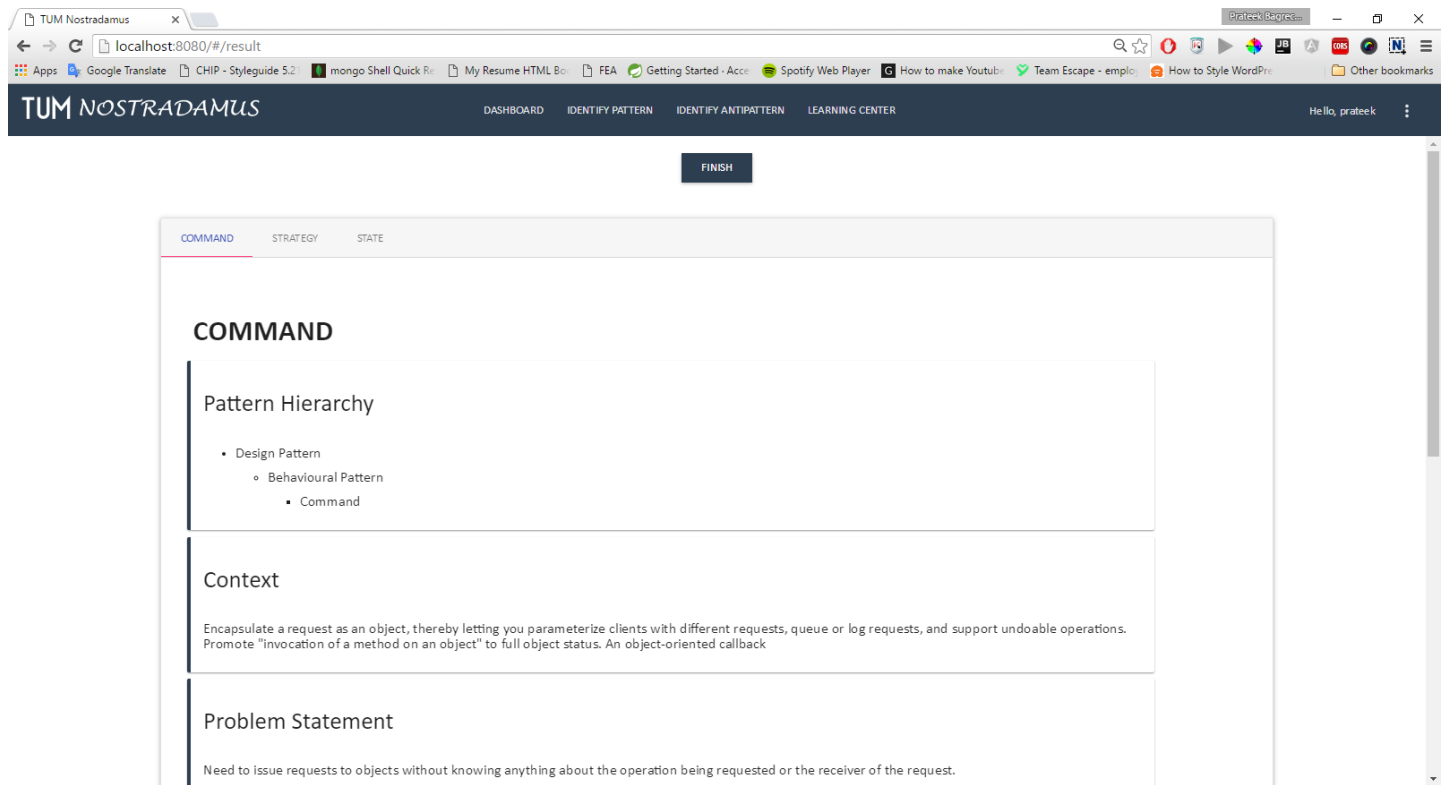
- ☒ Instantiation of Class - How Objects are created ?
- ☐ Composition of the Class and Objects - How the Classes are composed ?
- ☐ Communication between Objects - How objects communicate with each other ?

**NEXT**

## Use Case 1: Identify Pattern

### Scenario: Display Results

**Description:** Depending on the options selected by the user, all possible pattern results for the current requirement are displayed in a tabular format. Each result tab displays pattern name, context, problem statement, structure of the pattern with image and related patterns. On clicking finish button the user is redirected to his dashboard, wherein he can see his history.



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[IDENTIFY ANTI PATTERN](#)
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Hello, prateek

localhost:8080/#/dashboard

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How to Style WordPr...

Other bookmarks

Your History

Search

Date	Use Case	Result	Rating	Comments
Jul 3, 2016	Requirement_d-4	Command State Strategy	Click to rate	TO BE RATED
Jul 3, 2016	Requirement_d-4	Command State Strategy	Click to rate	TO BE RATED
Jul 3, 2016	Requirement_d-4	Command State Strategy	Click to rate	TO BE RATED
Jul 3, 2016	Requirement_d	Command	Click to rate	TO BE RATED
Jul 3, 2016	Requirement_d	Command	Click to rate	TO BE RATED
Jul 3, 2016	Requirement_d	Command	Click to rate	TO BE RATED
Jul 3, 2016	Requirement_d	Abstract Factory	Click to rate	TO BE RATED
Jul 3, 2016	jdjlfhalkj	Command	★ ★ ★ ★	Nice Application!
Jul 3, 2016	jdjlfhalkj	Command	★ ★ ★ ★	Amazing, It helped me out great!

Number of days left :

2/30

News Feed:

New pattern Adapter was created recently.  
Click here to find out!

Have a new pattern in mind?  
[Suggest Here!](#)

Nostradamus Success Ratio :

1 Star

2 Star

3 Star

4 Star

5 Star

## Use Case 2 : Identify Anti Pattern

### Scenario: Add User Story

**Description:** Add your use case name and description for maintaining history and feedbacks. User are recommended to always give relevant names and description that makes sense for the current requirement in hand.

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localhost:8080/#/antipattern

Apps

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How to Style WordPr...

Other bookmarks

Please give a brief description of your use case :

Use Case Name

AntiPattenUseCaseName

Use Case Description

AntiPattenUseCaseDesd

PROCEED!

## Use Case 2 : Identify Anti Pattern

### Scenario: Select applicable options for your scenario

**Description:** User is requested to selected options that might be relevant to current condition of application. This scenarios represent the possible conditions an application might be in. Once the user clicks "Find the Anti-Pattern" button, a history is created with the results and a dialog containing results is displayed.

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localhost:8080/#/antipattern

DASHBOARD IDENTIFY PATTERN **IDENTIFY ANTIPATTERN** LEARNING CENTER

Hello, prateek

Choose the options related to your current scenario :

<input type="checkbox"/> Many components not being used.	<input type="checkbox"/> Large parts of code copied from existing code base.	<input type="checkbox"/> Project was implemented by vendors.	<input type="checkbox"/> Too much time was spent in design phase and there was an absence of iterative process.	<input type="checkbox"/> Too much time spent in design phase resulting in a very complex design.
<input type="checkbox"/> Development was done in a very short time frame in an ad hoc manner.	<input type="checkbox"/> Developers lack experience in Object Oriented Programming Languages and have used modular programming.	<input type="checkbox"/> Developers know a very limited set of technologies.	<input type="checkbox"/> System Developers were isolated from the end users.	<input type="checkbox"/> Too many people involved in design phases.
<input type="checkbox"/> Project was migrated to a distributed environment.	<input type="checkbox"/> Single classes responsible for large number of tasks.	<input checked="" type="checkbox"/> Classes having less responsibilities with a limited life cycle exist.	<input type="checkbox"/> Entire project coded from the scratch when similar project existed.	<input type="checkbox"/> Project was implemented initially by vendors and then modified by developers in house.
<input checked="" type="checkbox"/> Too much time was spend idly and development was done in the end in a haste.	<input type="checkbox"/> Raw e mails were used for communication in place of project management softwares.	<input type="checkbox"/> Requirements presented in documents are very general and not precise.	<input type="checkbox"/> Meetings are dominated from managers with lack of respect towards others opinions.	<input type="checkbox"/> Too many systems are involved and is too difficult to change the structure of the system.
<input checked="" type="checkbox"/> System design is changing constantly in the presence of dead code.				

**FIND THE ANTI-PATTERN!**

## Use Case 2 : Identify Anti Pattern

### Scenario: Display Results

**Description:** Depending on the options selected by the user, all possible pattern results for the current requirement are displayed in a dialog. Each result is displayed with anti-pattern name, statement, context and solution. On clicking "Finish" button the user is redirected to his dashboard, wherein he can see his history.

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localhost:8080/#/antipattern

DASHBOARD IDENTIFY PATTERN **IDENTIFY ANTIPATTERN** LEARNING CENTER

Hello, prateek

Choose the options related to you

**Possible antipatterns present :**

**LAVA FLOW**

**Statement**

System design is changing constantly in the presence of dead code.

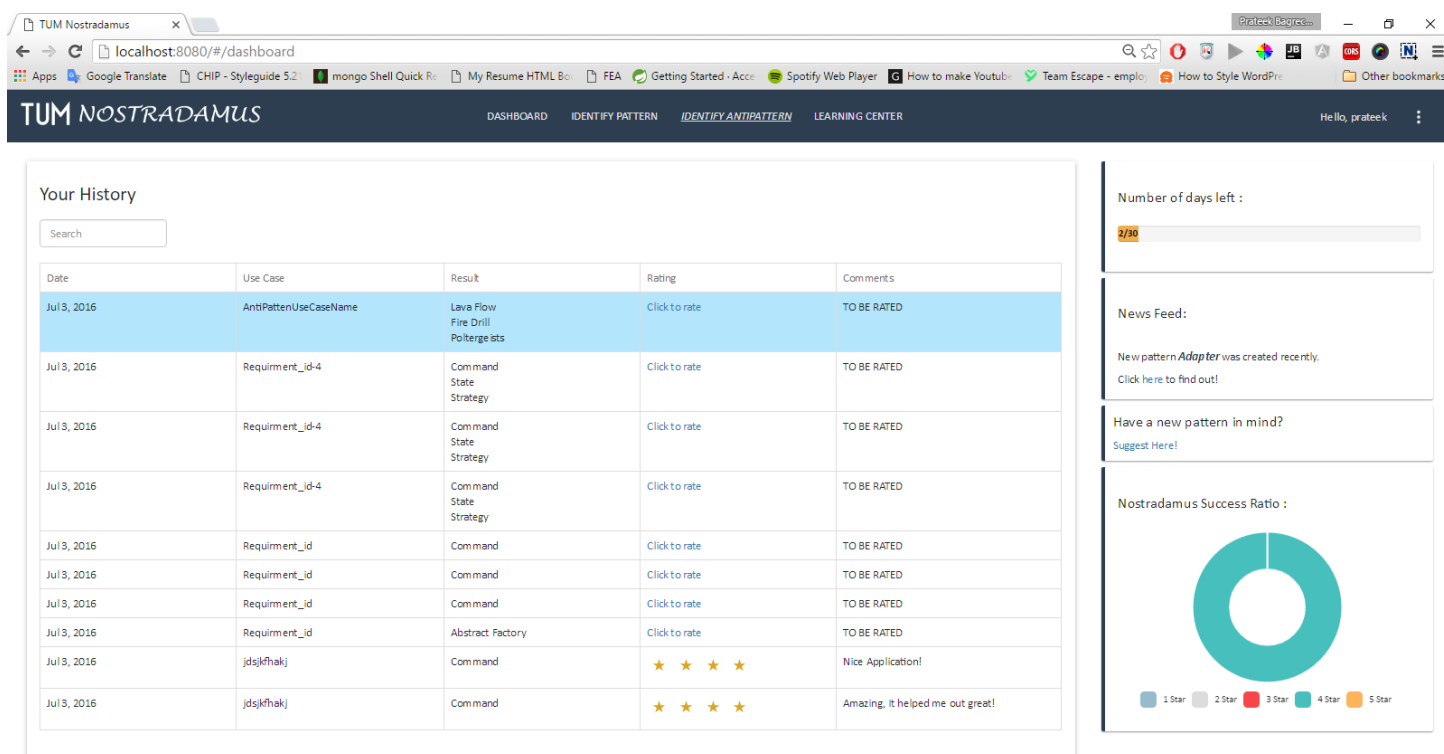
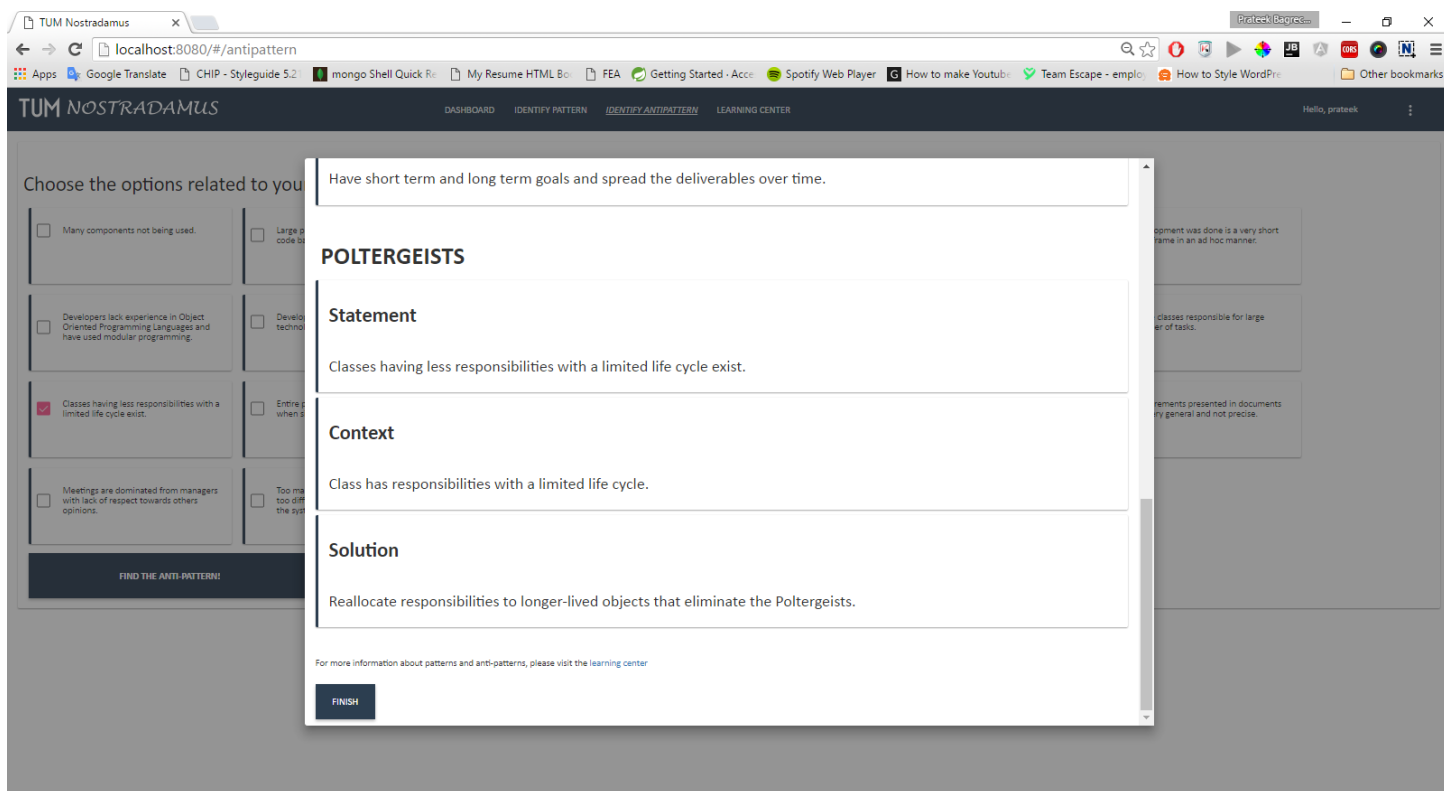
**Context**

Dead code and forgotten design information is frozen in an ever-changing design.

**Solution**

Configuration management process that eliminates dead code and evolves or refactors design toward increasing quality.

**FIRE DRILL**



### Use Case 3: Dashboard for History Management and Suggestion

#### Scenario: View Dashboard

**Description:** User views dashboard containing primary objects History table, Subscription days left, Application success ratio for his historical data and news feed. Within the History table(below: First) , user can provide review for particular results and provide feedbacks(below: Second). User can also suggest as new pattern to the administrator in the dashboard(below: Third).

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localhost:8080/#/dashboard

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Hello, prateek

Your History

Search

Date	Use Case	Result	Rating	Comments
Jul 3, 2016	TempRequ	Spaghetti Code Poltergeists Mushroom Management	<a href="#">Click to rate</a>	TO BE RATED
Jul 3, 2016	AntPatternUseCaseName	Java Flow Fire Drill Poltergeists	<a href="#">Click to rate</a>	TO BE RATED
Jul 3, 2016	Requirment_id-4	Command State Strategy	<a href="#">Click to rate</a>	TO BE RATED
Jul 3, 2016	Requirment_id-4	Command State Strategy	<a href="#">Click to rate</a>	TO BE RATED
Jul 3, 2016	Requirment_id-4	Command State Strategy	<a href="#">Click to rate</a>	TO BE RATED
Jul 3, 2016	Requirment_id	Command	<a href="#">Click to rate</a>	TO BE RATED
Jul 3, 2016	Requirment_id	Command	<a href="#">Click to rate</a>	TO BE RATED
Jul 3, 2016	Requirment_id	Command	<a href="#">Click to rate</a>	TO BE RATED
Jul 3, 2016	Requirment_id	Abstract Factory	<a href="#">Click to rate</a>	TO BE RATED
Jul 3, 2016	jdsjfhakj	Command	★ ★ ★ ★	Nice Application!

« 1 2 »

Number of days left :


2/30

News Feed:

New pattern *Adapter* was created recently.  
[Click here to find out!](#)

Have a new pattern in mind?  
[Suggest Here!](#)

Nostradamus Success Ratio :



1 Star2 Star3 Star4 Star5 Star

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Hello, prateek

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Jul 3, 2016	Requirment_id-4	Command State Strategy	<a href="#">Click to rate</a>	TO BE RATED
Jul 3, 2016	Requirment_id-4	Command State Strategy	<a href="#">Click to rate</a>	TO BE RATED
Jul 3, 2016	Requirment_id	Command	<a href="#">Click to rate</a>	TO BE RATED
Jul 3, 2016	Requirment_id	Command	<a href="#">Click to rate</a>	TO BE RATED
Jul 3, 2016	Requirment_id	Command	<a href="#">Click to rate</a>	TO BE RATED
Jul 3, 2016	Requirment_id	Abstract Factory	<a href="#">Click to rate</a>	TO BE RATED
Jul 3, 2016	jdsjfhakj	Command	★ ★ ★ ★	Nice Application!

« 1 2 »

Feedback

★ ★ ★ ★ ★

Feedback comments

FEE BACK

7/500

CANCELSAVE

Number of days left :


2/30

News Feed:

New pattern *Adapter* was created recently.  
[Click here to find out!](#)

Have a new pattern in mind?  
[Suggest Here!](#)

Nostradamus Success Ratio :



1 Star2 Star3 Star4 Star5 Star

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Date	Use Case	Result
Jul 3, 2016	TempRequ	Spaghetti Code Poltergeists Mushroom Management
Jul 3, 2016	AntiPatternUseCaseName	Lava Flow Fire Drill Poltergeists
Jul 3, 2016	Requirement_id-4	Command State Strategy
Jul 3, 2016	Requirement_id-4	Command State Strategy
Jul 3, 2016	Requirement_id-4	Command State Strategy
Jul 3, 2016	Requirement_id	Command
Jul 3, 2016	Requirement_id	Command
Jul 3, 2016	Requirement_id	Command
Jul 3, 2016	Requirement_id	Abstract Factory
Jul 3, 2016	jdsjkhakj	Command

Please select the type and provide the necessary details

Select Type  
Pattern

Name  
New Pattern

Description  
New Pattern Description

Link  
<http://sourcemaking.com/newPattern/>

SUBMIT

2/30

News Feed:

New pattern **Adapter** was created recently.  
Click here to find out!

Have a new pattern in mind?

[Suggest Here!](#)

Nostradamus Success Ratio :

1 Star
2 Star
3 Star
4 Star
5 Star

## Use Case 4: Administrator Dashboard

### Scenario: Pattern & Anti Pattern usage overview

**Description:** The overview page provides the usage and popularity statistics of patterns and anti patterns in an easy-to-understand, graphical format. This information is key to the administrator to know the most popular patterns and anti-patterns and hence adjust the questionnaire options appropriately.

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Hello, Akash

Akash

[Overview](#)
[Feedbacks](#)
[New Pattern](#)

### Pattern Statistics

Source: TUM Nostradamus

Average Rating

Pattern performance

### Anti-pattern Statistics

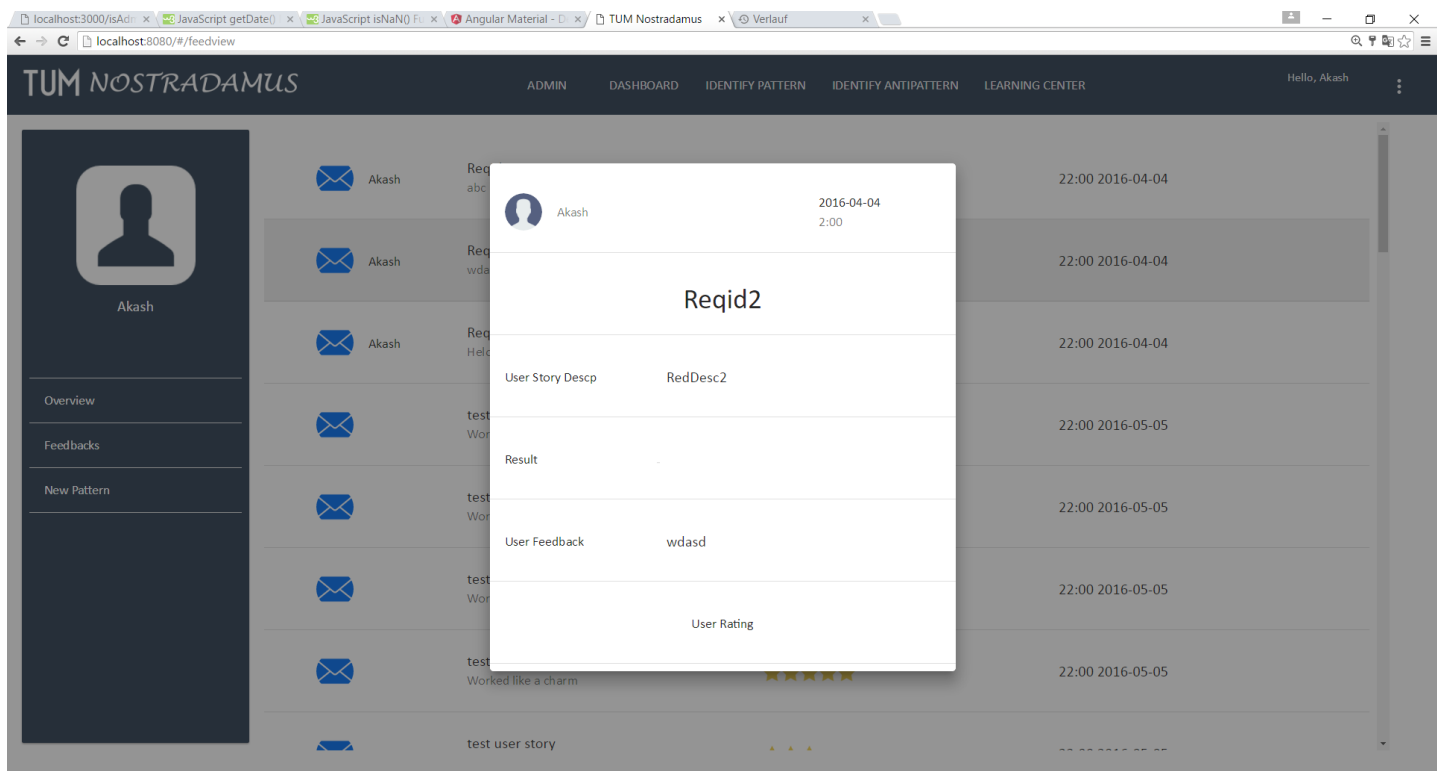
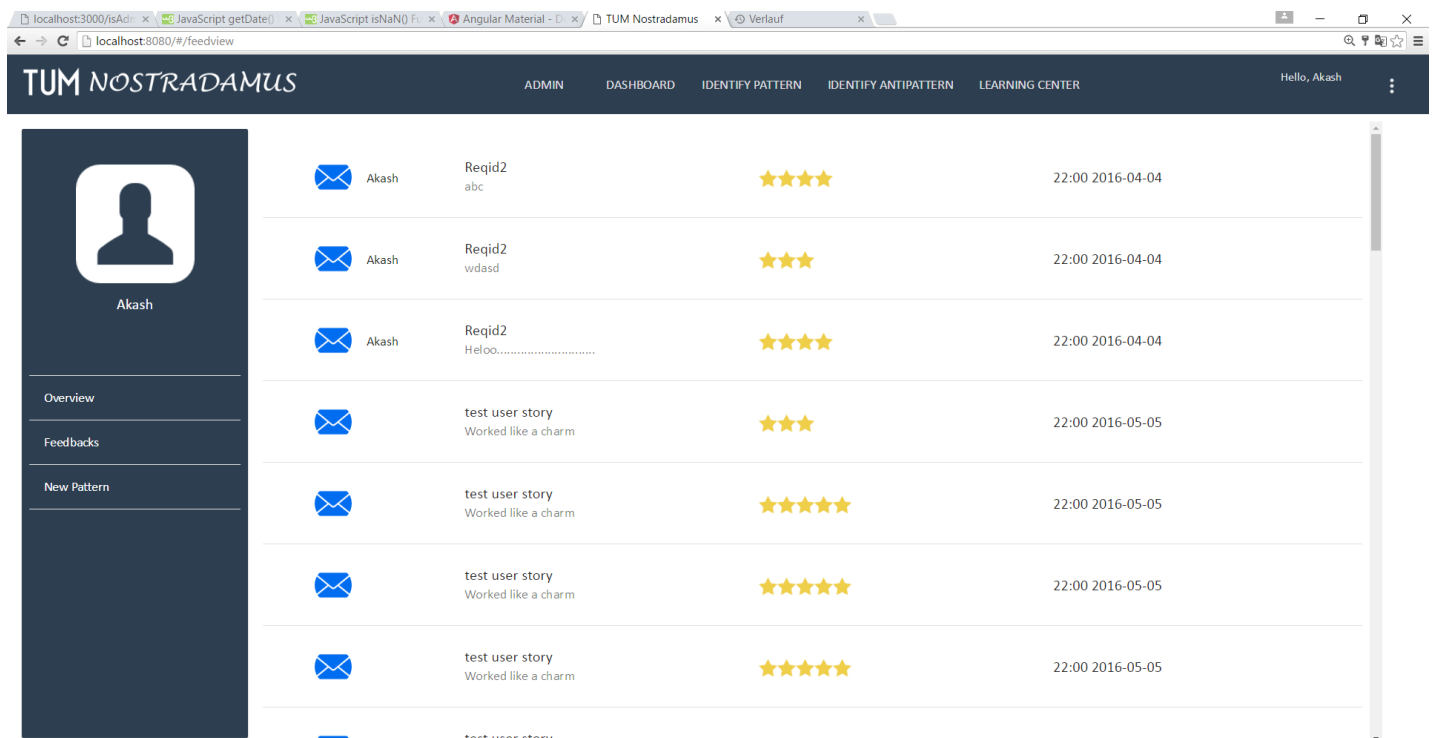
Source: TUM Nostradamus

Average Rating

Anti-Pattern performance



**Description:** The Feedback view page enables the administrator to check the latest feedbacks provided by the users of the application. This information allows the administrator to understand the kind of use cases the application is working well and also the ones for which the result was not to the satisfaction to the user.



Scenario: New Pattern Suggestion View

Description: The Suggestion view page allows the administrator to access the new pattern suggestions provided by the users of the application. This information allows the administrator to understand the users perspective and to make changes to the existing business logic to add new patterns.

localhost:3000/isAd... x JavaScript getDate... x JavaScript isNaN() F... x Angular Material - ... x TUM Nostradamus x Verlauf x

localhost:8080/#/patternsuggest

TUM NOSTRADAMUS

ADMIN DASHBOARD IDENTIFY PATTERN IDENTIFY ANTIPATTERN LEARNING CENTER Hello, Akash

Akash

Overview

Feedbacks

New Pattern

Akash

sadas

sadas

2016-07-02 4:48

Akash

sadasdasd

sadas

2016-07-02 4:46

Akash

axa

XSXS

2016-07-02 4:42

Akash

ascascas

ascscac

2016-07-02 4:31

Akash

XSXS

XSXSXSAX

2016-07-02 4:30

Akash

XSXS

XSXSXSAX

2016-07-02 4:30

Akash

cdcsac

acascas

2016-07-02 4:26

Akash

cdcsac

2016-07-02

Akash

2016-07-02 4:48

sadas

Suggestion Type

Anti-pattern

User Comments

sadas