



Prasad Thakur

App/Web/Game Design & Development . Graphic Design
Portfolio

"I certify that the work included in this portfolio is my own original work. Work included which was conducted as a part of a team or other group is indicated and attributed as such, the other team roles are named and a true description of my role in the project is included."

A handwritten signature in dark ink, appearing to read 'Prasad Thakur', is written over a light gray grid. The signature is stylized with a large, sweeping initial 'P' and a long horizontal stroke extending to the right.

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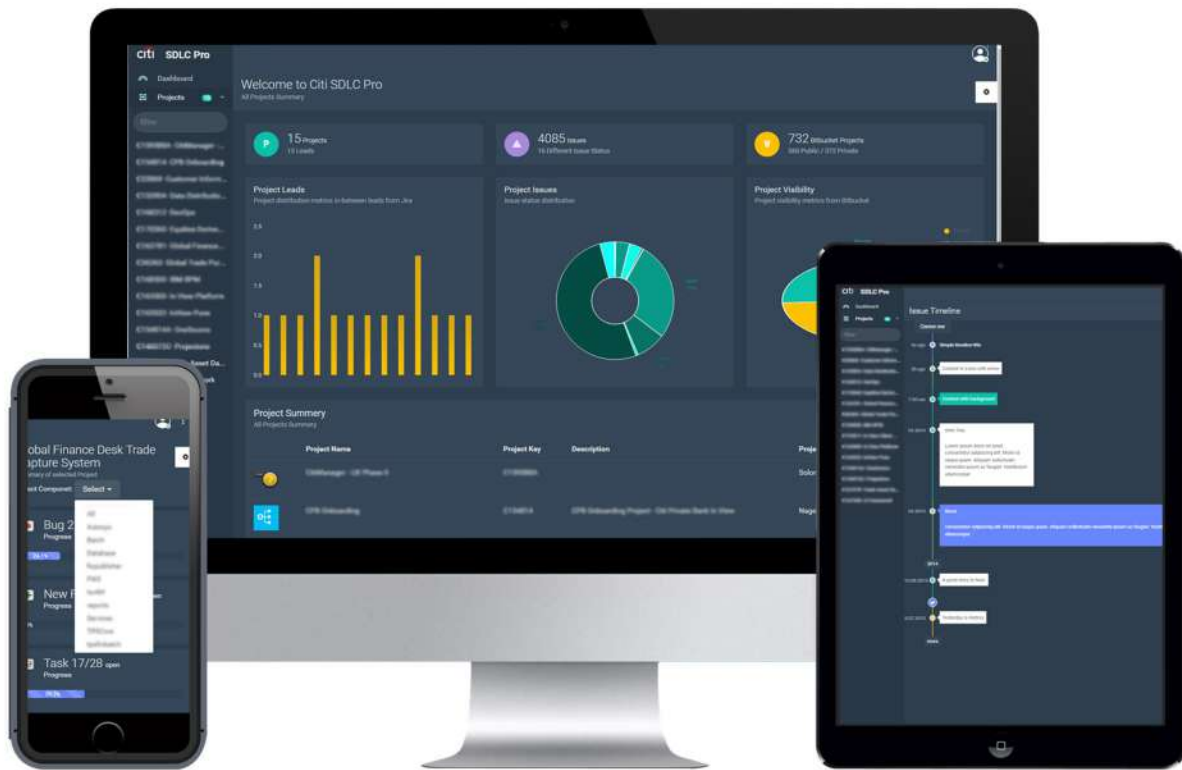
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Software Development Life Cycle Pro - 2017

Problem

Software development teams use a lot of development tools around each phase of the software development cycle, which presents a challenge in getting one holistic view of the lineage of the change request and its current state in a granular form. A tool that can trace and report the complete lineage of the change request from when it arrives to when it actually gets delivered.

Solution

We designed and developed a solution within eight hours, with following features: Provide high level overview for Project /component tracking, drill down to Issue level and track specific issues on all systems including - Bitbucket, TeamCity, Udeploy, SonarQube, highly configurable with different themes and extensible widgets for future systems e.g. TFS, Jenkins, UI is built using AngularJS, server is built on Java 8 and communicates with a NodeJS service for each system.

My Role: UI design and web development working

Team: Project manager, middle-ware developer, web designer and API specialist

Approach

As this was a hackathon project, we had to start development with zero user-research and use existing experience for the design. To keep the design and usability simple we went ahead by applying known design concepts to each use-case provided in the problem statement.

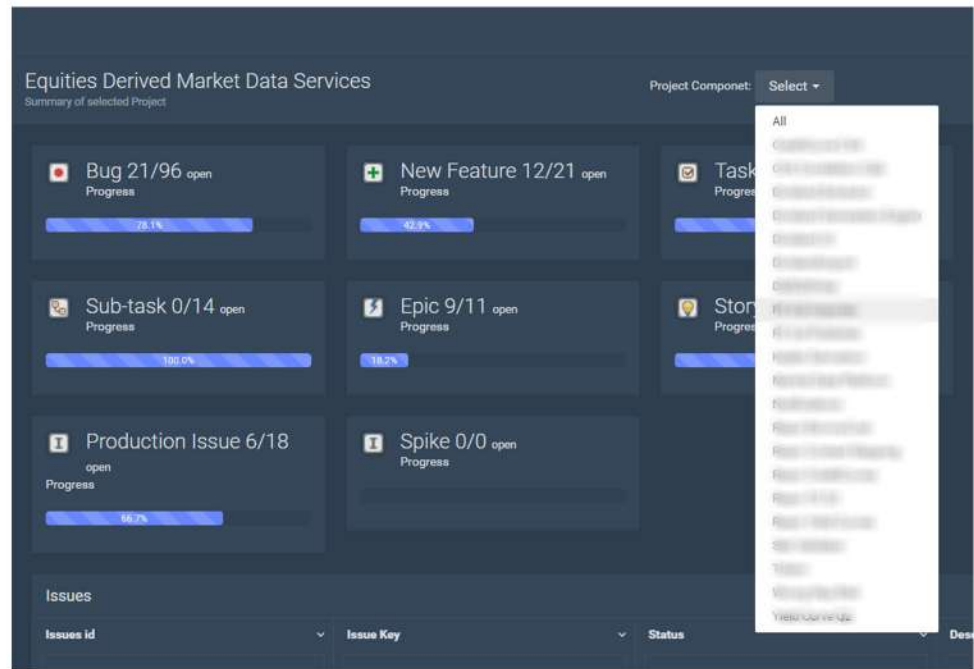
Highlights

We won the 2017 SEED hackathon with this web application and it was selected as the most usable solutions from among 30 submissions because: Our dashboard supports responsive UI for desktop, tablets and phones. The dashboard can provide complete lineage of the change request from when it arrives to when it actually gets delivered with varying granularity based on use-cases, and can be used by project managers as well as developers to improve their Software Measurement and Metrics scores.

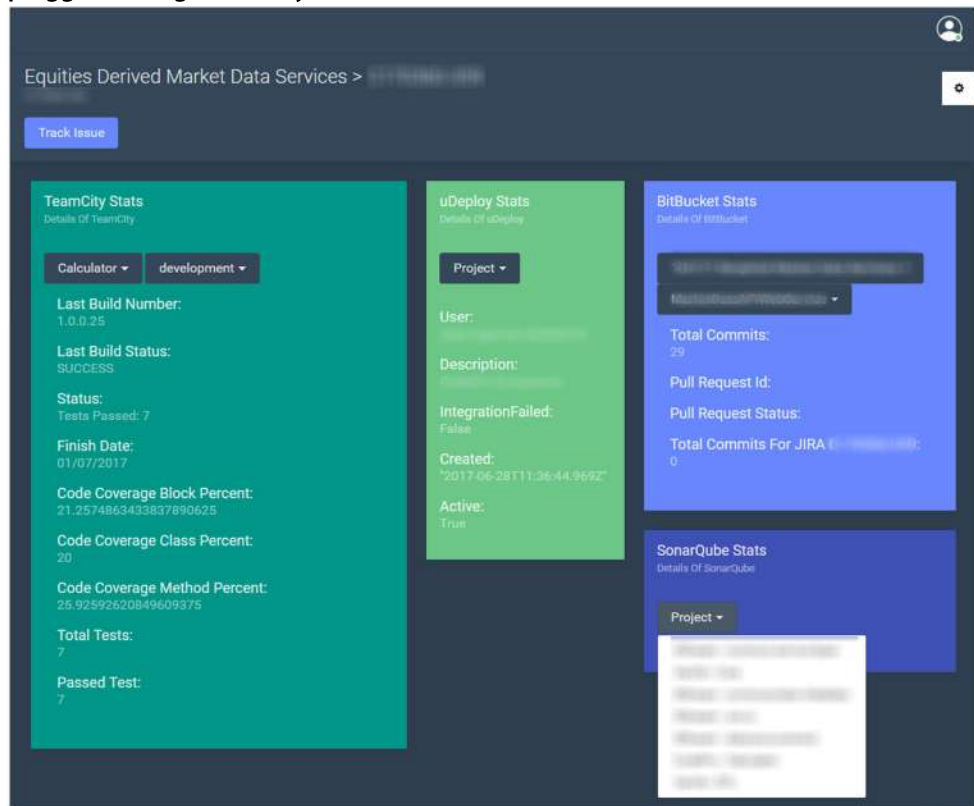
project tracking

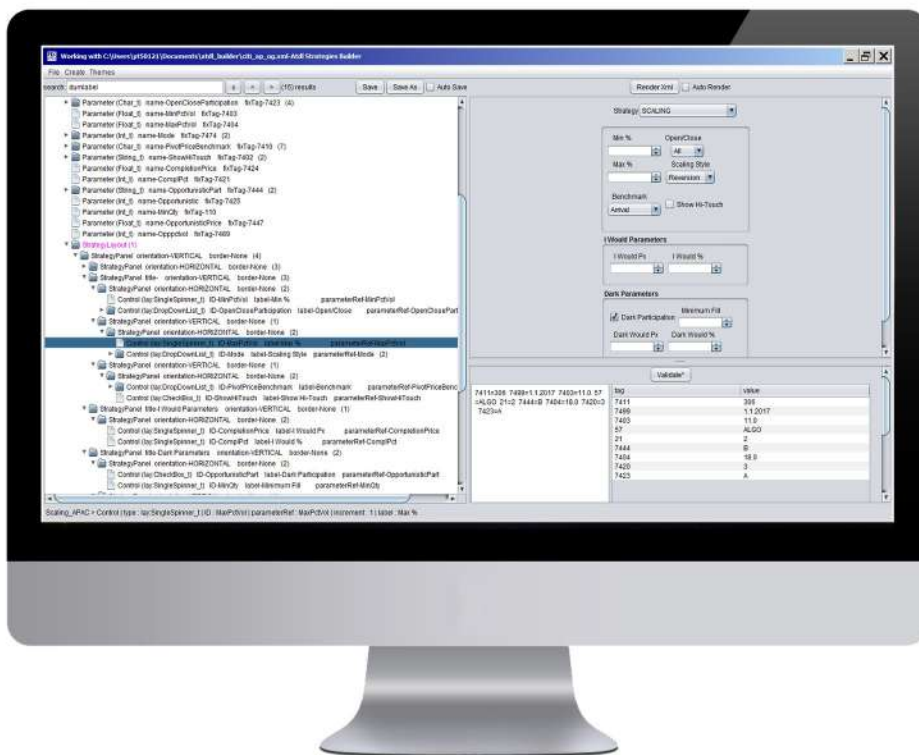


high level lineage health monitoring



pluggable widgets for any tool





FIXatdl Strategies XML Builder 2017

My Role: UI research, design and development, working with Team - Project manager and 8 users

Problem

Equities trading strategies are used by trader to decide how to trade equities over the market. These strategies have certain input parameters to be entered by traders using a form like interface. This interface is based on a standard mark-up language (in the form of an XML file) called FIXatdl (Financial Information Exchange Automatic Trade Definition Language), which is then rendered by a program into actual UI. Creation and maintenance of these XML files is tedious, because these strategies keep changing and new strategies keep emerging frequently. There was an urgent need to create a tool to manage and create FIXatdl XML files for rapid prototyping and creation of these files as well as the strategies associated with them.

Approach

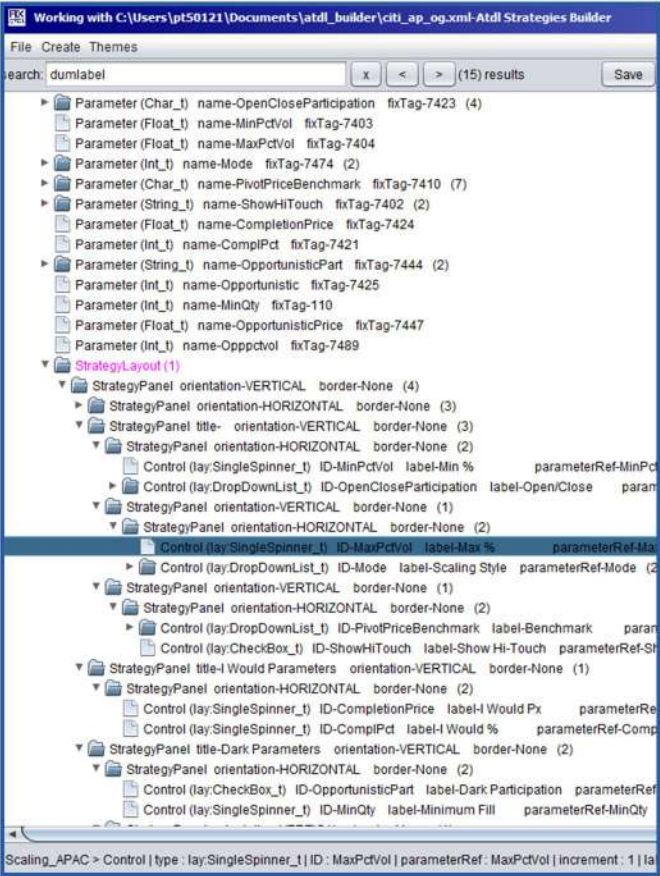
As the only person responsible for user research, UI design and development, I had to clarify user needs and target development efforts towards meaningfully solving user pain-points. To understand user-scenarios I prepared a questionnaire and asked inputs from 8 users involved in this process and gleaned the following requirements:

1. Users did not want to deal with different tools for different aspects of the process (file editor, UI renderer, validation tool and a testing suite)
2. Re-usability of FIXatdl components was needed
3. Java SWING was the constraint for development as users were familiar to this technology

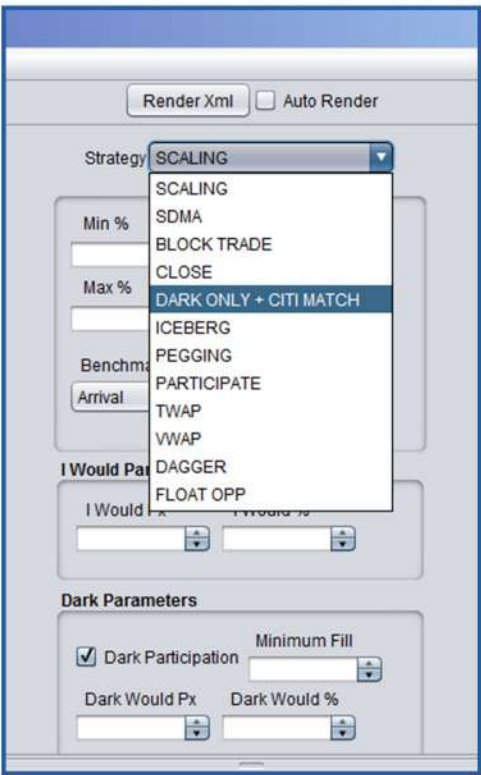
Solution

The FIXatdl Strategy builder is a standalone desktop tool developed using Java Swing components. It uses the atdl4j open-source library to render strategy interfaces within the application itself. This allows the user to build, edit, validate and test strategy interfaces in a single window. The window is divided into resizable panes that the user can minimize or maximize based on their task focus. The XML tree pane allows for rapid editing of FIXatdl elements, the Strategy View pane show real-time state of the interface being worked on, the validation pane allows testers to validate and analyse these interfaces. Also, the cumbersome task of file management is handled by the application.

searchable and editable FIXatdl component tree



realtime strategy view and switching



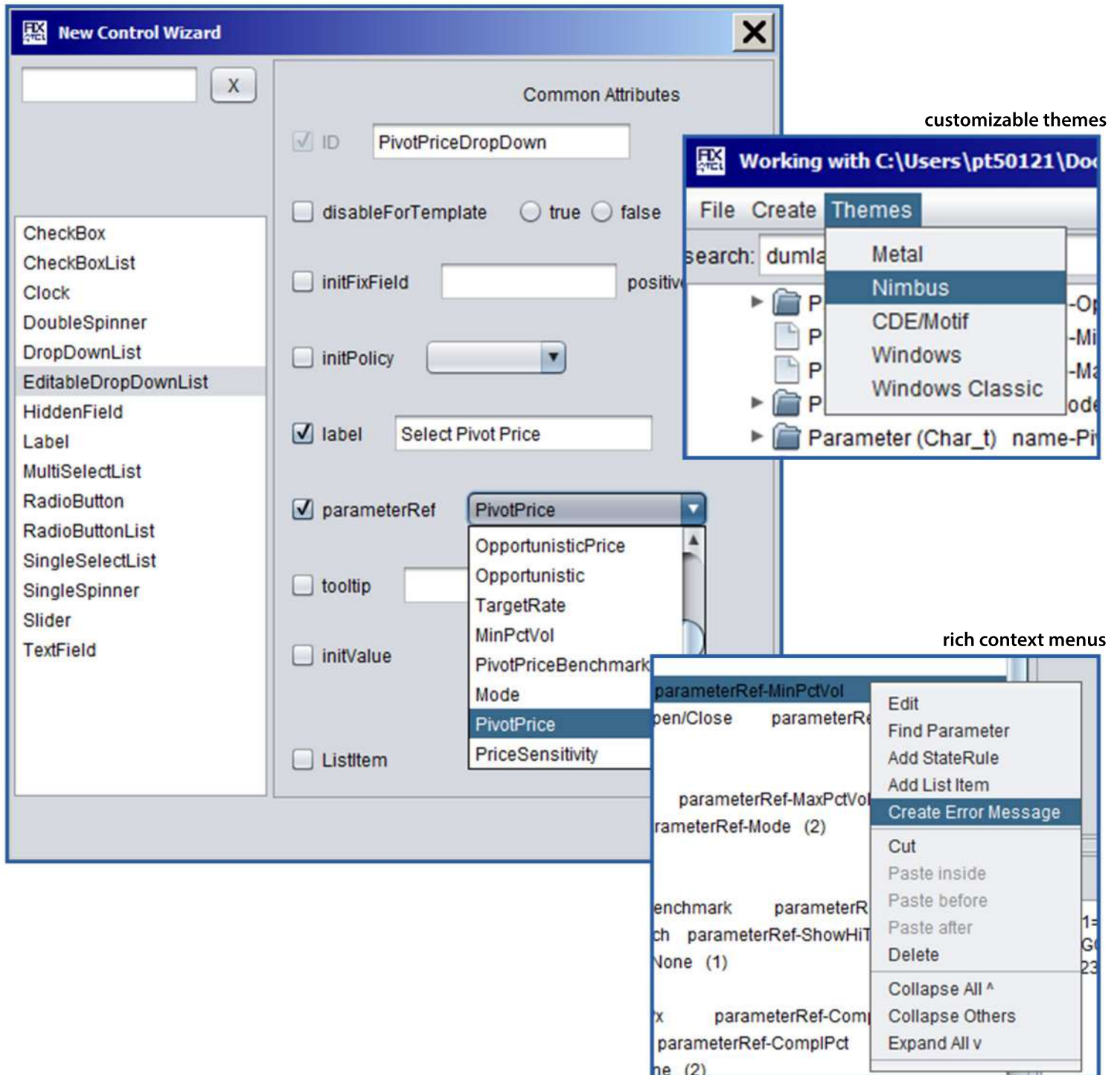
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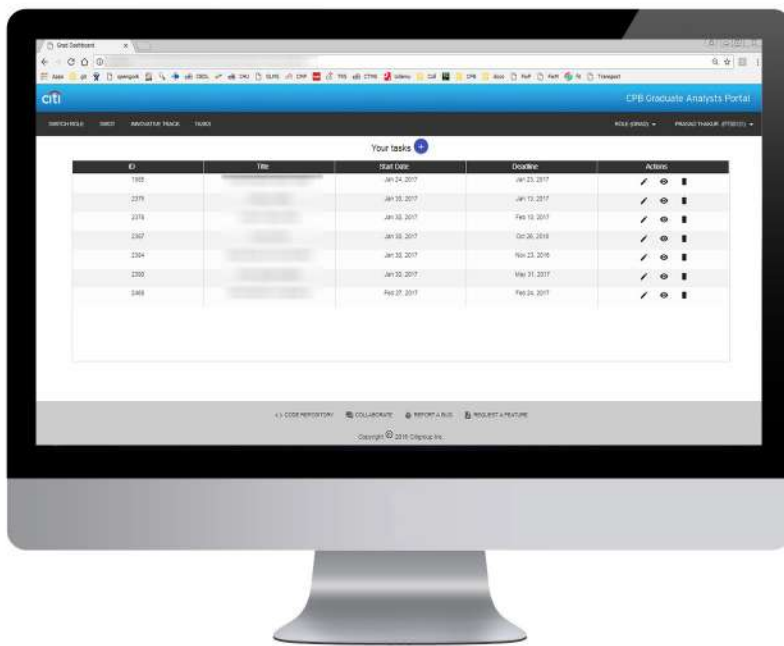
realtime strategy interface and FIX tag/value validation

Highlights

Designed and developed single-handedly within two months as a stretch project, on top of my daily role-responsibilities; this tool has proved efficient in reducing turn-around time for editing strategies from 15 minutes/strategy to around 3 minutes/strategy as reported by users across multiple teams. The library feature allows users to create, store and reuse FIXatdl components with ease. Inclusion of the 'themes' menu was highly appreciated by users and they want to include this module in other similar Swing applications that are currently being used.

Easy creation and editing of FIXatdl library components





Citi Private Bank Graduate Analyst Portal 2016

My Role: Project Lead Team - web developer X2, middle-ware developer X2 and database architect X2

Problem

Citi Private Bank technology wanted to create a web-portal for all its freshly graduate analysts, where they could manage their tasks and profiles efficiently. This portal needed to be simple to use because the current vendor tool used by Citi has a steep learning curve and fresh graduate would need time to learn it. Consolidated task reports were needed to understand the overall health of tasks assigned to graduates.

Approach

As I had to lead a team of 6 graduates who would be working on different aspects of the project, I had to co-ordinate the development efforts by conducting regular stake-holder meeting, team meetings as well as one-on-one with several users. I lead the development effort with regard to the web UI frameworks to be used (angular JS with material design) and also provide appropriate training material to the team of new graduates.

Solution

We were able to deliver a web-app that would meet all of the requirements and had a sleek material design driven by AngularJS. The middle service layer is in Java and connects to an Oracle database. The portal had all the feature like account and entitlement management for four type of roles, profile management for each role, task grid with creation and editing of tasks and their tracking, report generation on various task, user and project levels, FAQ help section, bug/feature reporting and an open code on bit-bucket repository.

Consolidated layout showing some features of the dashboard

Grad Dashboard

Apps

git

opengork

citi

CBOL

citi

CHU

GLMS

citi

OMP

TRS

citi

CTMS

Udemy

Coll

CPB

docs

FoxP

FixM

ft

Transport

citi

CPB Graduate Analysts Portal

SWITCH ROLE

SWOT

INNOVATIVE TRACK

TASKS






















ROLE (GRAD)

PRASAD THAKUR

Welcome to Grad Dashboard

Have a question ? Visit our FAQ to see if it's already answered.

Your tasks +

ID	Title	Start Date	Deadline	Actions
1985	Task 1985	Jan 24, 2017	Jan 23, 2017	  
2375	Task 2375	Jan 30, 2017	Jan 13, 2017	  
2378	Task 2378	Jan 30, 2017	Feb 10, 2017	  
2387	Task 2387	Jan 30, 2017	Oct 26, 2016	  
2384	Task 2384	Jan 30, 2017	Nov 23, 2016	  
2390	Task 2390	Jan 30, 2017	May 31, 2017	  
2468	Task 2468	Feb 27, 2017	Feb 24, 2017	  

Edit

Create task

Reports

FAQ

About

profile

change password

Preferences

FAQ

logout

InView2.2 Issues - Completed

Deadline: Jan 13, 2017 Mentor: Lead:

Task Description

Resolved JIRA issues for InView2.2 February Release.

Task Type: Task Techs:

Percent work done: 60

Comments

POST

Ext JS migration to Angular JS

Description

Task lead: Task Mentor:

Task Techs: Oracle, Java

SAVE

Select all tasks where

Grad is

and

Lead is

and

Mentor is

GENERATE

CPB Grads Report

Dec 06 15:04:00 IST 2017

Task Id	Task Title	Task Type	Task Status	Created Date	Start Date	Deadline
2048		bau	Assigned	24 Jan, 2017		10 Nov, 2016
1508		bau	Not Approved	04 Oct, 2016		14 Oct, 2016
1511		bau	Not Approved	04 Oct, 2016		21 Oct, 2016
2390		poc	In progress	30 Jan, 2017	30 Jan, 2017	31 May, 2017
2387		co-curricular	Completed	30 Jan, 2017	30 Jan, 2017	26 Oct, 2016
2357		bau	Completed	30 Jan, 2017	30 Jan, 2017	30 Dec, 2016
2354		bau	Completed	30 Jan, 2017	30 Jan, 2017	30 Sep, 2016
1526		automation	Assigned	06 Oct, 2016		30 Dec, 2016
2015		bau	Not Approved	24 Jan, 2017		30 Sep, 2016

<> CODE REPOSITORY

COLLABORATE

REPORT A BUG

REQUEST A FEATURE

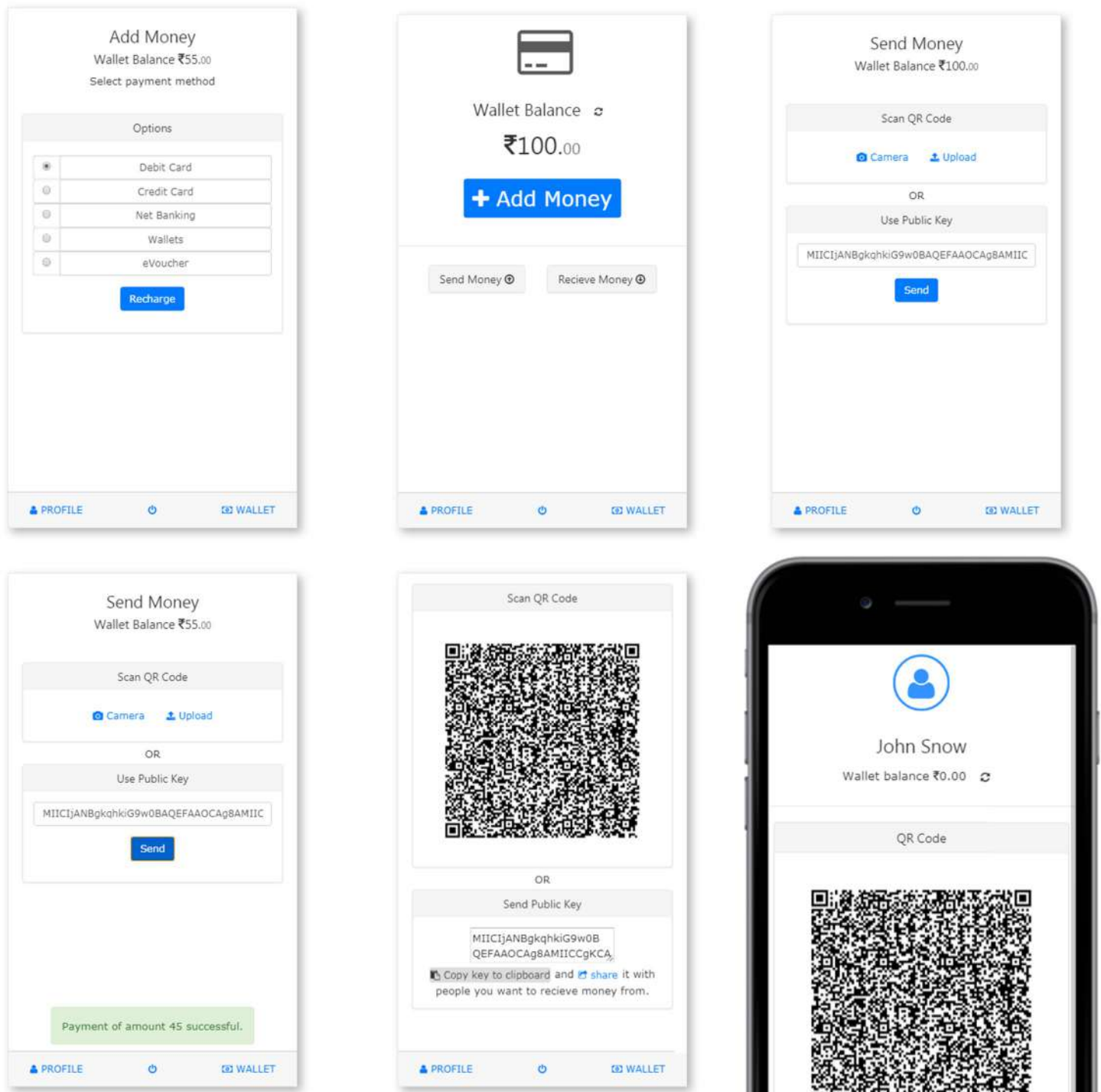
Copyright © 2016 Citigroup Inc.

Citi Private Bank Cryptocurrency Wallet POC -2017

My Role: UI design and web development working with Team - Middleware and network developer

Created fully functional UI prototype using HTML for a blockchain based cryptocurrency wallet using AngularJS and Bootstrap UI components

1. Complete P2P cryptocurrency transfer
2. Send/Receive cryptocurrency using QR code/public key
3. Add currency using payment gateways (WIP)



Game Design and Development for GameEon

My Role: Lead Programmer **Team:** Project Lead, 2D-Models Designer X3, Level Designer, Programmer X5

Lead a team of five programmers responsible for development of games for Android and Web platforms on Python Pygame module, Unity Engine and Unreal Engine; individually handling gameplay design, enemy artificial intelligence, stage physics and special effects. One such game below:

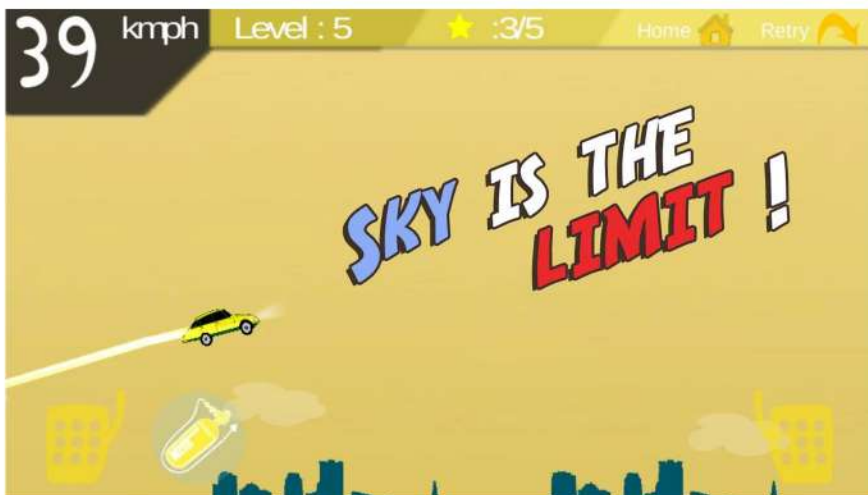


Road Trip Action: Car Racing

GameEon Arcade

★★★★★ 374

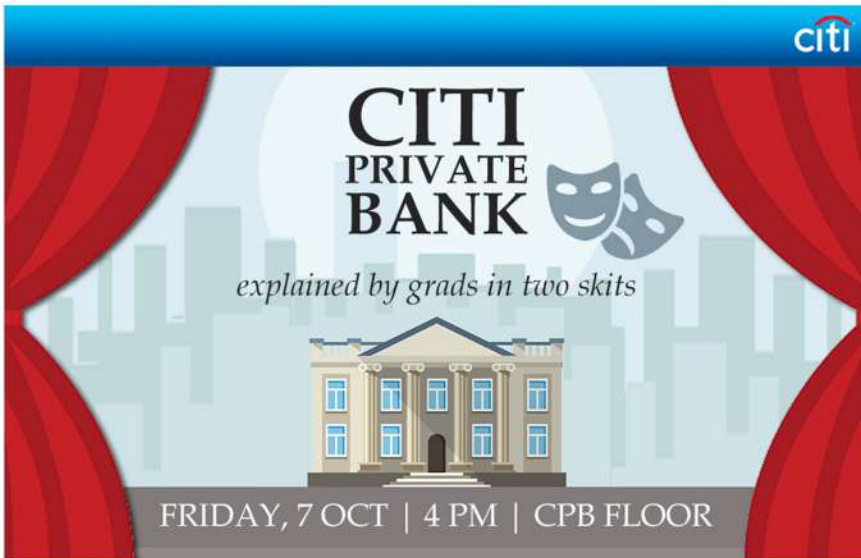
made using  unity



more at: <https://play.google.com/store/apps/dev?id=4697646260585911652&hl=en>

Graphic Designing

Promotional Content





DREAM CAMP

Mumbai, 2015

LOREM IPSUM

CONTACT : 9916532648

CENTER : Lorem Ipsum

GROUP NAME : Lorem Ipsum

STANDARD : V

☐
☐
☐
☐
☒
☐
☐

COMEDY NIGHT

STANDUP COMEDY BY

H.L. SORABH PANT'S
THE EAST INDIA COMEDY
Est. 1, 2012

© HAWAIIN SHACK, JUHU

28TH SEPT
8 PM ONWARDS
RS. 500*
(SHACKS & HOCKTAILS INCLUDED)

THEME: COMIC CHARACTERS
PHOTOBOOTH
20 MINS OPEN MIC

REGISTRAION DETAILS

www.makeadiff.in
www.facebook.com/makeadiff

*All proceeds from this event will go towards MAD's Social Projects



A platform that empowers youth to become change leaders who make positive social impact in the lives of children at risk.

facebook.com/makeadiff | www.makeadiff.in | makeadiff.in/blog



VISION

To ensure every vulnerable child in society is able to learn and achieve their true potential. MAD volunteers empower children in orphanages and street shelters with skills that ensure a better future, role models they can relate to and exposure that gets them to dream big.

PROJECTS

CONNECT

Volunteers act as role models and deliver 4 hours of English classes every week.

Rs. 4000/child

DISCOVER

Helps children dream & pursue their passion by giving them exposure & experiences in multiple fields of interest.

Rs. 4200/child

FORTIFY

Improves center environment by providing most needed infrastructural changes.

Rs. 50,000/home

DREAM CAMP

Year end camp organized to identify and boost the skills of children.

Rs. 2500/child

300 MAD volunteers cater close to 4300 children in 23 Indian cities* operating in 85 shelter homes across the country. The cities are: Bangalore, Bhopal, Chandigarh, Chennai, Cochin, Coimbatore, Dehradun, Delhi, Guntur, Gwalior, Hyderabad, Kolkata, Lucknow, Mangalore, Mumbai, Mysore, Nagpur, Pune, Trivandrum, Vellore, Vijayawada and Vizag.

For more details on how we plan to do this in our city, please contact :
Miss. LOREM IPSUM + 91 1234567890
loremipsu@gmail.com

Eligible to give 80G tax exemption | Registered under FCRA | Society Reg. #: ER 711/60

Pulse is coming soon...



...and we are **going green**

TYPE US YOUR STORY _

submit your entries for

{DEVELOPER DIARIES}



www.abc.xyz/pulse/developerdiaries





Team Reflections

CITI INFORMALS

It's Here

FRIDAY 9TH OCT

DANCE • MUSIC • DRAMA • POETRY

Citi Technology Center, Pune



12

Graphic Designing

Logos



Business Cards



PASHMEE UDANI
Dietitian & Nutritionist

887944492
Address goes here
Address goes here



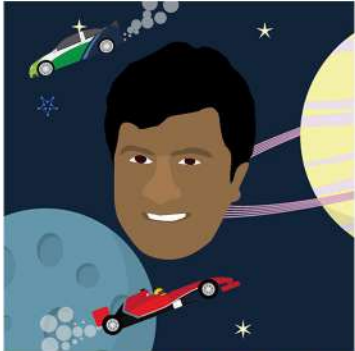
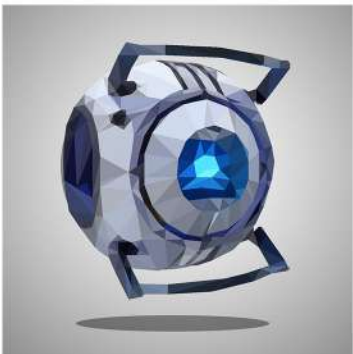
/mymentor

Prasad Thakur
9920602964
pt26285@gmail.com

mymentor.com



Graphic Designing Digital Art/Paintings



- END -