



# COMPUTING & DIGITAL MEDIA PROJECT MANAGEMENT ASSIGNMENT 5B

**Group: Gravity** 

Team's members: Minh Tran - G00365411

Katarzyna Krakowska - G00364903

Stephen Melly - G00334648

Edgars Becs - G00377012

 $Thomas\ Burke-G00362619$ 

Date: 02/03/2020

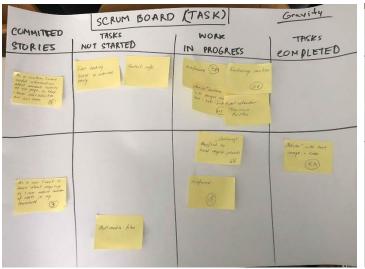
# 1. During sprint 1:

#### a. Scrum board updated at Daily Stand-up meeting

COMMITTED	SCRUM BOAR TASKS NUT STARTED  Muslim Desir Order	WORK IN PROGRESS	Gravity TASKS EOMPLETED
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Img 1.a1. Stories with associated break down tasks - 17/02/2020 Img 1.a2: Stories with associated assigned tasks - 17/02/2020



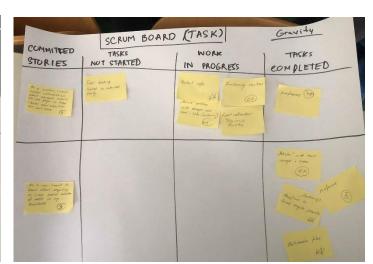


Img 1.a3. Updated Scrum Board - 18/02/2020

Img 1.a4. Updated Scrum Board - 19/02/2020



Img 1.a5. Updated Scrum Board - 20/02/2020



Img 1.a6. Updated Scrum Board - 21/02/2020

WORK

Gravity

SCRUM BOARD (TASK)

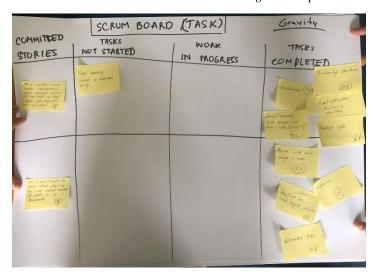


COMMITTED

TASKS NOT STARTED TASKS STORIES IN PROGRESS COMPLETED

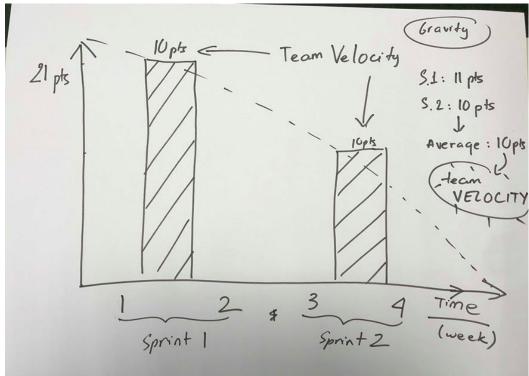
Img 1.a7. Updated Scrum Board - 23/02/2020

Img 1.a8. Updated Scrum Board - 25/02/2020



Img 1.a9. Updated Scrum Board - 28/02/2020 - end sprint

# **b.** Sprint Burn Down Chart:



Img 1.b1. Sprint Burn Down Chart & Velocity estimated 17/02/2020



Img 1.b2. Sprint Burn Down Chart on Jira – 18/02/2020

#### c. Changes in plan during the first sprint:

No changes during first sprint.

#### d. Issues and associated actions, captured during daily stand-ups:

Issues:

(1) + Plage Edgars (P) cannot upload

files to Gittle = need to send

pull request.

(2) + Struggle with getting base line por code.

(3) + Underestimate the size of task.

(3) + Underestimate the size of task.

(3) + Behind the sprint plan

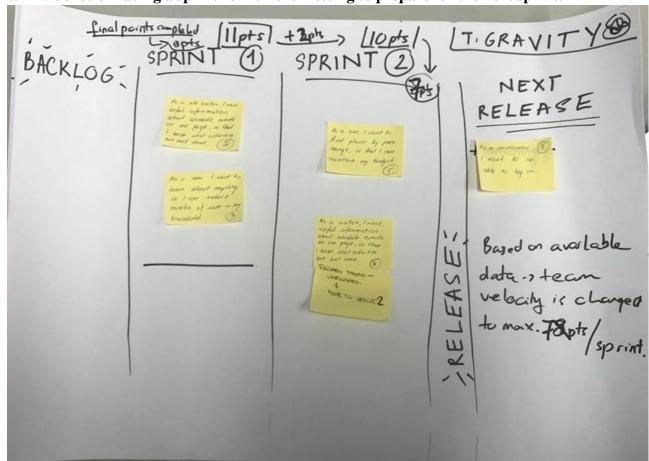
(3) + Different layouts across

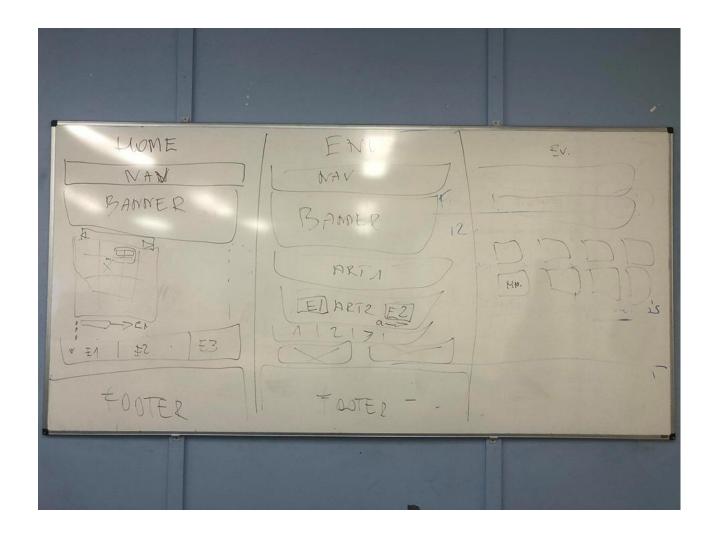
team members.

Issues:
For retrospective: Didn't have test for
girst sprint.

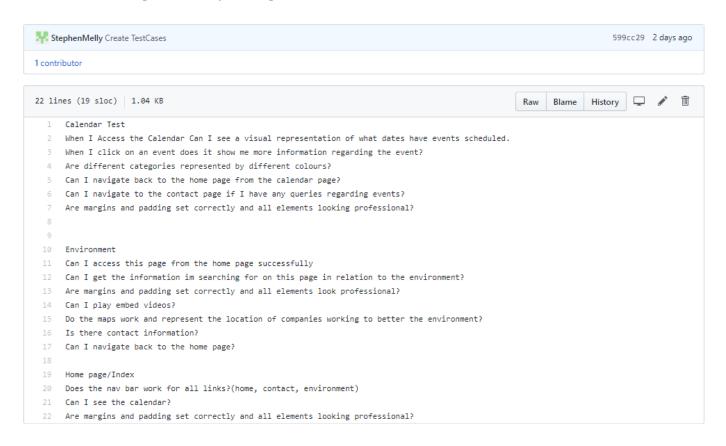
Solved Issues:
(D) (reate a new branch > new pull regrest -> allow wintships
for directly parts apposition to make branch.

e. Evidence of having a sprint refinement meeting to prepare for the next sprint:

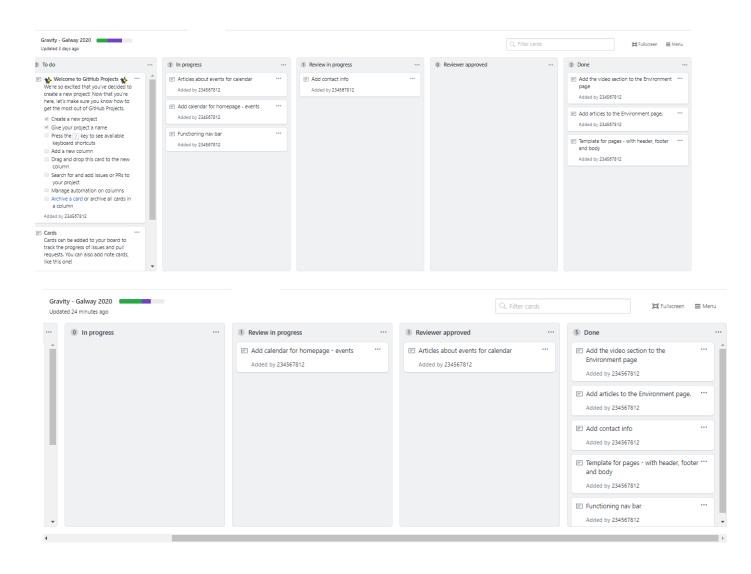




#### f. Evidence of rigorous story testing:



# g. Evidence in GitHub of code reviews and code inspections by all development team members:

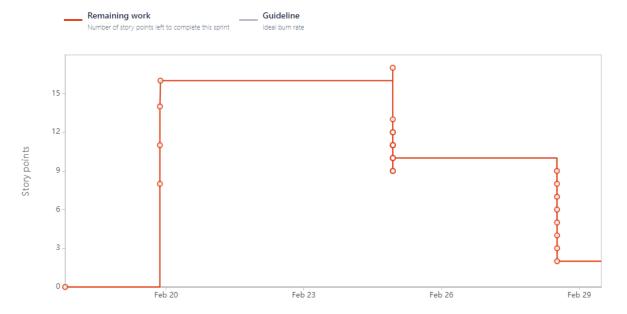


# 2. End of Sprint 1

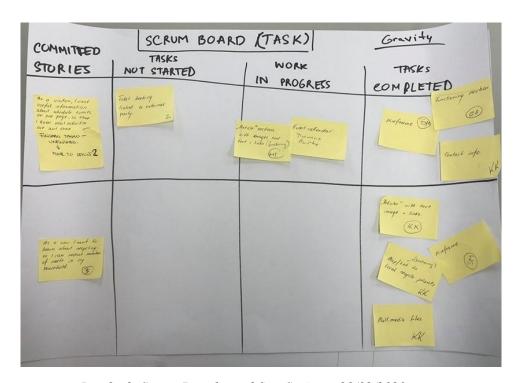
a. The end of sprint burndown chart and end SCRUM Board snapshots.

Sprint burndown chart

> How to read this report



Img 2.a1. Sprint Burn Down Chart on Jira – 28/02/2020



Img 2.a2. Scrum Board – end first Sprint – 28/02/2020

b. The video recording of the sprint demo/review

This is YouTube link to Sprint Demo meeting video.

c. The status of user stories completed in the sprint as per the definition of DONE and user stories rejected and reasons why.

<u>User story 1:</u> As a site visitor, I want useful information about schedule events on one page, so that I know what activities are out there.

Story is not fully completed, there are remaining tasks to be completed in sprint 2.

Status: On-going, not done

Definition of done: the story's solution is completely specified and integrated, with test cases included.

- a. Task 1: Wireframes
- b. Task 2: Functioning navigation bar
- c. Task 3: Article sections with texts & images
- d. Task 4: Events calendar
- e. Task 5: Contact information
- f. Task 6: Ticket booking

When I Access the Calendar Can I see a visual representation of what	No, test failed. Calendar is not working properly.
dates have events scheduled.	
When I click on an event does it show me more information regarding	No, test failed. Calendar is not working properly.
the event?	
Are different categories represented by different colours?	No.
Can I navigate to the contact page if I have any queries regarding	No.
events?	
Are margins and padding set correctly and all elements looking	Yes.
professional?	

<u>User story 2:</u> As a user I want to learn about recycling so I can reduce number of waste in my household.

Status: DONE

Definition of done: the story's solution is completely specified and integrated, with test cases included.

- g. Task 1: Wireframes
- h. Task 2: Articles with texts & images
- i. Task 3: Multimedia files
- j. Task 4: Link to local recycle places

The development team has a functioning environment page with multimedia and working links that link to relevant events.

#### Test cases:

Can I access this page from the home page successfully?	Yes, links are working properly.
Can I get the information I am searching for on this page in relation to	Yes, page is only about environment.
the environment?	
Are margins and padding set correctly and all elements look	Yes.
professional?	
Can I play embed videos?	Yes, 3 embedded videos are working well
Do the maps work and represent the location of companies working to	Yes, links are working.
better the environment?	

Is there contact information?	Yes, on footer.
Can I navigate back to the home page?	Yes.

d. For each user story, the list of tasks, the final task status, and task owners.

<u>User story 1:</u> As a site visitor, I want useful information about schedule events on one page, so that I know what activities are out there.

- **Task 1:** Wireframes DONE Stephen Melly (Tester)
- **Task 2:** Functioning navigation bar DONE Edgars Becs (Programmer)
- **Task 3:** Article sections with texts & images DONE Minh Tran (Product Owner)
- **Task 4:** Events calendar IN PROGRESS Thomas Burke (Programmer)
- **Task 5:** Contact information DONE Katarzyna Krakowska (Scrum Master)
- **Task 6:** Ticket booking TO DO not yet assigned

<u>User story 2:</u> As a user I want to learn about recycling so I can reduce number of waste in my household.

- **Task 1:** Wireframes DONE Stephen Melly (Tester)
- **Task 2:** Articles with texts & images DONE Katarzyna Krakowska (Scrum Master)
- **Task 3:** Multimedia files DONE Katarzyna Krakowska (Scrum Master)
- **Task 4:** Link to local recycle places DONE Katarzyna Krakowska (Scrum Master)
- e. Evidence of having an impartial sprint retrospective meeting, the input and outputs of the sprint retrospective meeting with evidence of impartial/anonymous brain storming and a description of how the retrospective meeting was conducted.

For the purpose of this task, team used Google Forms. Anonymous survey was created and distributed among team members.

What went well in first sprint?

5 câu trả lời

Planning was done very well, stories were well prepared. All team members participated in initial phase of Project.

I believe preparation for first sprint was efficient and well organized. Team members actively participated in creating backlog, sprint board, selecting stories for sprint.

we got most tasks done

#### Planning

In the first sprint, we had a good plan for release plan and the discussing process went pretty well. Some members of the team really collaborated during sprint and was trying to carry out the sprint very effectively

What went wrong in first sprint?

5 câu trả lời

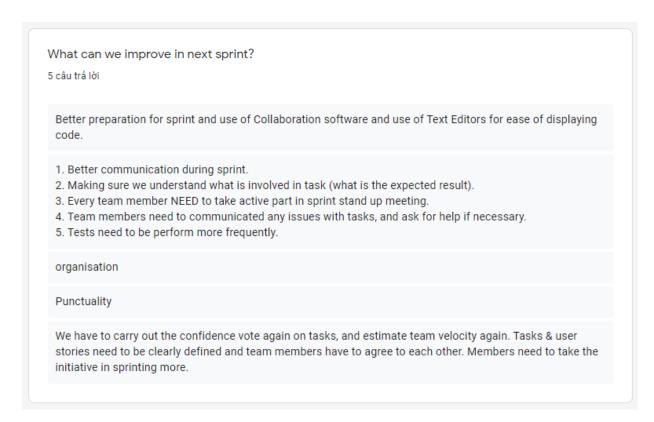
Mainly miscommunication and Sprint Goal not clear to all team members, everyone had different ideas about goal.

- 1. The group overestimated team velocity, which resulted in unfinished tasks.
- 2. Team members misunderstood what tasks are about and as a result final product didn't have the needed functionality.
- 3. Team members spending too much time on one task (over a week).
- 4. Not sufficient communication during sprint.
- 5. Team members overestimating own abilities and knowledge while working on tasks.
- 6. Team members missing stand up meetings and brainstorming sessions.
- 7. Software issues GitHub was set up wrong what resulted in some members of the team not having full access which in a long run delayed work. Issue is now resolved by creating new repository.
- 8. Insufficient testing what resulted in finding issues at the end of the sprint.

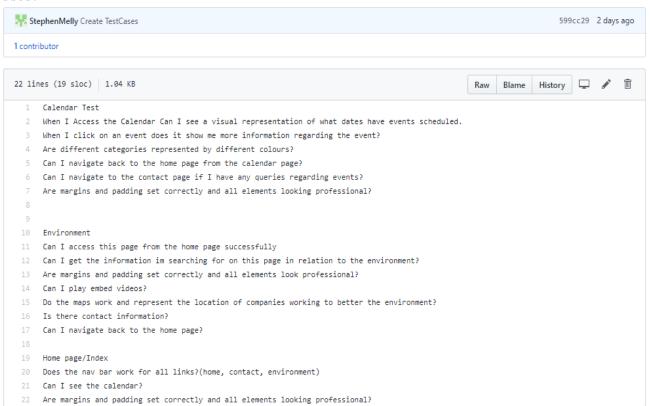
github

Nothing major

There were misunderstandings & miscommunications during the sprint, some members of team didn't actually understand the task. The team underestimated team velocity, putting a lot pressures on team members, and we cannot achieve our goals. There were issues with softwares which slowed down the progress.



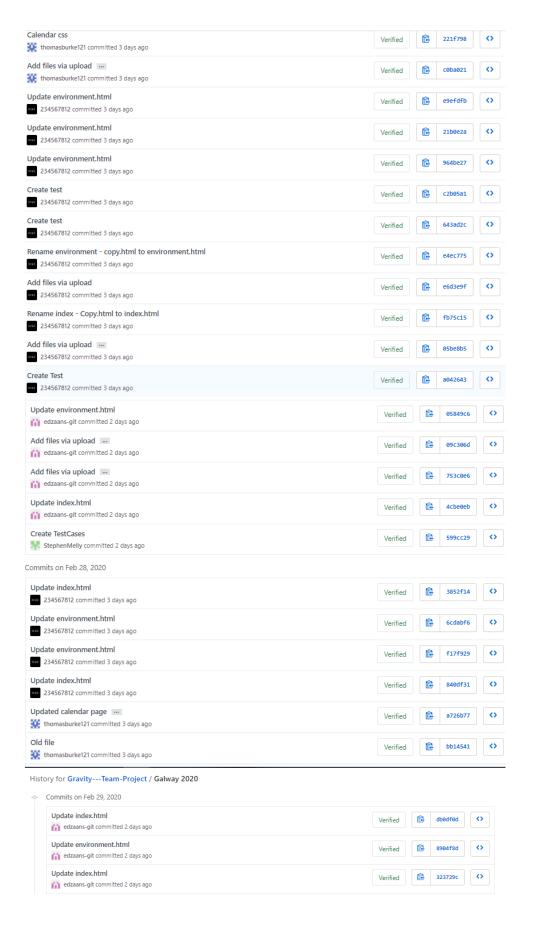
f. Story test Plans, test scripts and test script results and list any automated tests and what tool you used.

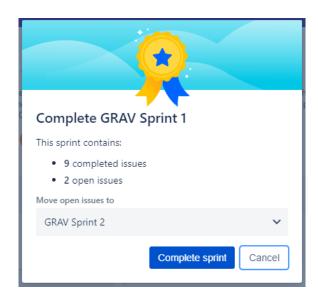


g. Code baseline before sprint begins and after the sprint has finished.

https://github.com/234567812/Gravity---Team-Project

h. Show evidence of code by the team members.





i. All documentation, document revisions, document reviews by the team, related to the project, stored in GitHub, including release plan(s), release burn down(s), sprint plan(s), Scrum board snapshots, sprint burndown chart snapshots, product backlog, team photo, inception deck, test plans, tests scripts, test results, DOD, DOR, Team working agreement, risks, brainstorming sessions, stories, etc...

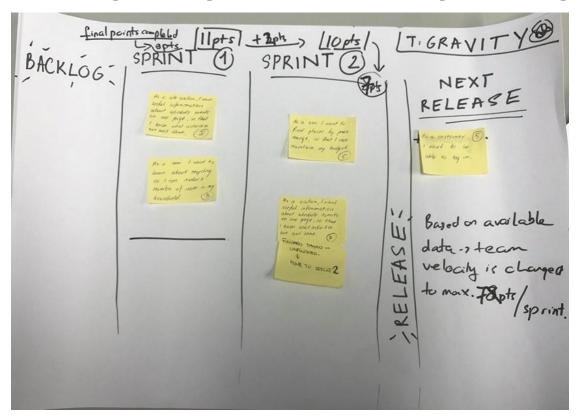
This is the link to GitHub repository.

This is the link to Jira Project.

This is the link to TEAMS.

# 3. Sprint 2 planning:

a. A revised Release plan and an updated Release Burndown chart updated at end of sprint 1.

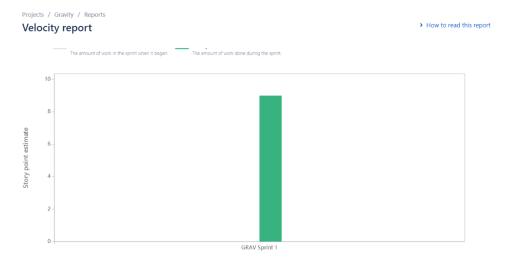


*Img 3.a1. Sprint Release Plan – 02/03/2020* 

#### b. The revised team velocity and how it was calculated

Reference to Img 3.a1: The team velocity is now 7 points/sprint. Because after the first sprint, the team couldn't complete all associated tasks, only up to 9 points were completed out of 11 points.

We have 5 points in next sprint (as we agreed to only work on one new story in second sprint rather than 2 stories, which were agreed in the first release plan), with 9 points completed during first sprint, so we agreed on the average of 7 points per sprint for team velocity.



c. Brought forward corrective stories from the retrospective at the end of sprint 1.

#### Quantitative review

- 1. Stories delivered -1
- 2. Team velocity team velocity needs to be reduced for second sprint.
- 3. Sprint goals were not achieved

#### Qualitative review

- 1. Team needs to improve communication during second sprint
- 2. Moving forward, stories with large number of points should be broken down to smaller stories.

### 4. Before sprint 2 begins:

a. Description of the sprint planning meeting, the resultant sprint plan, the confidence vote, the sprint goals(s), the sprint risks.

**Sprint planning meeting:** The team agreed to meet up on the first day off **sprint 2** (02/03/2020) to discuss about changing the release plan, working on remaining tasks, re-estimate the team velocity, burn down chart, break down tasks and to carry out confidence vote.

- As we have remaining tasks, team need to have it done in this second sprint, which are:
  - **Task 4:** Events calendar IN PROGRESS Thomas Burke (Programmer)
  - Task 6: Ticket booking TO DO not yet assigned
- After the retrospective, team knows that we were underestimate team velocity, so it is now decreased to 7 points per sprint. Because of that, one story has been moved to the next sprint.
- The second sprint is released with:
  - User story 1: As a site visitor, I want useful information about schedule events on one page, so that I know what activities are out there -2 points remaining
  - **User story 3:** As a user, I want to find places by price range, so that I can maintain my budget. 5 pts
- Scrum board is taken into consideration in this next step, after identifying committed stories for this sprint 2, we broke them down into smaller tasks that need to be completed for the stories to reach our *definition of DONE*.
- The next step is to carry out a release plan confidence vote as the technique is described above after the count, all team members showed up their thumbs (1), which means everyone is confident about the plan.
- Subsequently, team members picked their own task to work on, as it is shown in *image 5.b1*.
- The team agreed on the sprint goals which is stated below.

**Resultant of sprint planning** is teams forecast what can be delivered in the upcoming Sprint. Two stories were chosen for Sprint Backlog based on estimated team velocity, and then broken into tasks using Scrum Board. Each team member selected task to complete.

**Confidence vote:** used One in five technique where 1 is confident about plan, 5 is not confident about plan. Team members vote 1 (each) which means they all are confident about project plan.

All team's members agreed with the release plan and are confident with the sprints.

#### **Sprint goals:**

#### Sprint goal

The goal sprint 2 is to complete remaining tasks from sprint 1 & create price range, search bar for users on restaurants & hotels pages.

#### **Sprint risks:**

- Overestimating team velocity
- Software issues
- Miscommunication
- Misunderstanding tasks
- o Not attending in daily stand-up meeting & brainstorming session
- o Insufficient knowledge & expertise

#### b. The sprint stories, associated tasks, task status and task owners in Jira or equivalent.

Story: As a user I want to find places by price range, so that I can maintain my budget.

Status: To Do Owner: NA

#### **Tasks**

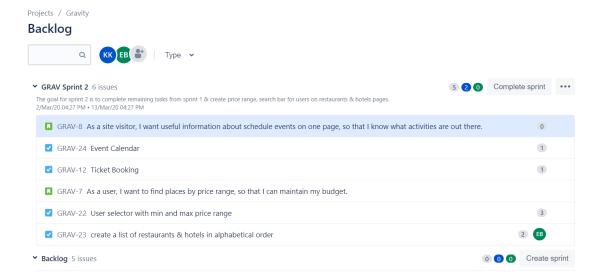
- 1. Create a list of restaurants & hotels in alphabetical order
  - i. Task owner Edgars Becs
  - ii. Status in progress
- 2. User selector with min and max price range

**Story:** As a site visitor, I want useful information about schedule events on one page, so that I know what activities are out there.

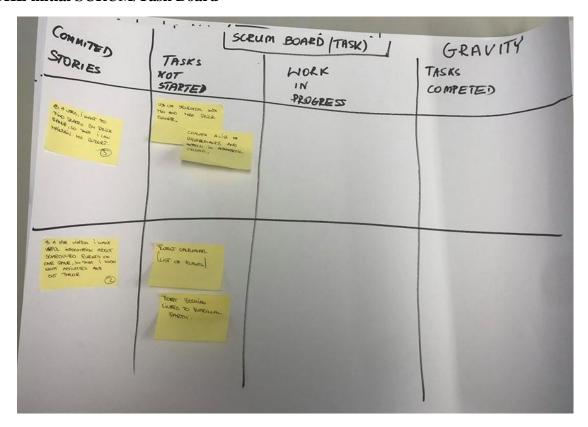
Status: To Do Owner: NA

#### Tasks

- 1. Ticket Booking
- 2. Event calendar

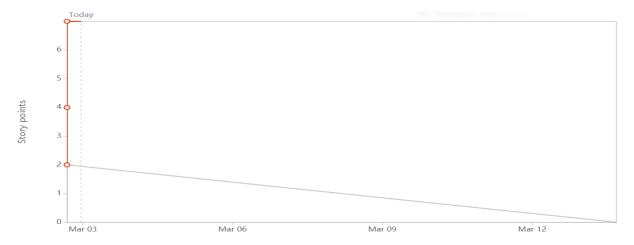


#### c. THE initial SCRUM/Task Board



Img 4.c1. Sprint Task Board – 02/03/2020

#### d. The initial sprint Burn down chart.



Burndown chart for Sprint 2

#### e. Baseline of code in GitHub

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| CROCKING Males|
| CROCKING M
```

```
<div id="carouselExampleIndicators" class="carousel slide" data-ride="carousel">
     data-target="#carouselExampleIndicators" data-slide-to="1">
                                                                                                                                                                                                                                              <footer class="py-5 bg-dark">
      <div class="col-md-4 col-lg-3 col-xl-3 mx-auto mb-md-0 mb-4 text-white">
    ch6 class="text-uppercase font-weight-bold">Contact</h6>
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        <div class="carousel-caption d-none d-md-block">
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     </div>
   <a class="carousel-control-orey" href="#carouselExampleIndicators" role="button" data-slide="prev">
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     <span class="carousel-control-prev-icon" aria-hidden="true"></span>
     <span class="sr-only"></span>
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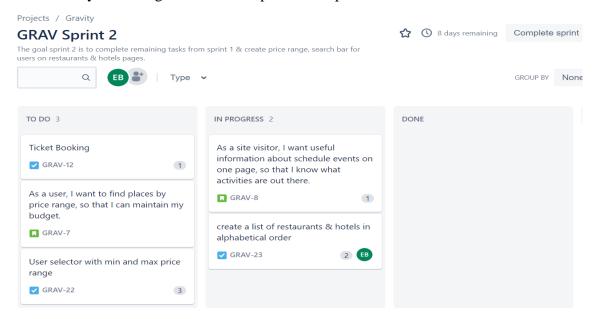
Link to Baseline code for Sprint 2

# 5. During Sprint 2:

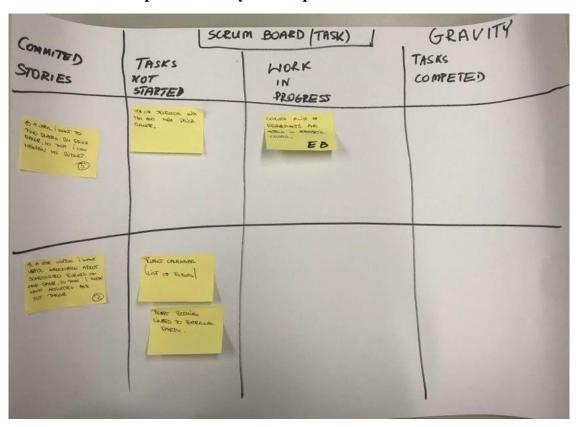
#### a. Snapshots of sprint progress

Sprint 2 consists of 2 Stories and 5 tasks in total. 2 tasks were moved from Sprint 1 into Sprint 2 as they were not DONE.

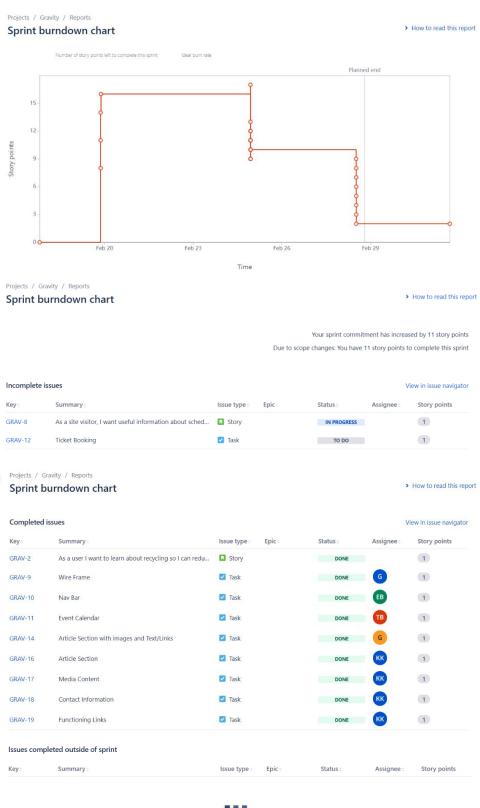
Team Velocity has changed to total of 7 points for Sprint 2.



#### b. SCRUM/Task Board updates at Daily stand-ups



#### c. Corresponding updates to the Sprint Burndown chart.





No issues have been completed outside of the sprint

# d. Description of Issues and associated actions, captured during daily stand-ups (more detail in next assignment)

- GitHub set up team members did not have full access new repository was created.
- Misunderstanding tasks and what was the expected result issue resolved during stand-up meeting (additional explanation given)
- Issue with parts of code which resulted in spending too much time on one task.
- Lack of efficient communication (team is working on improving this issue)